User Manual

Ascom i62 VoWiFi Handset

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1 Introduction

This document describes features and settings available for the Ascom i62 VoWiFi Handset. The VoWiFi Handset is feature-rich with color display, telephony, and messaging. It is designed to be used in medium demanding environments such as hospital environments, but also office environments.

It is suitable for users dependent of being reachable and/or having a need for mobile voice and messaging features, which makes it ideal for applications where the user needs either one way messaging or to be able to interact with other users. The color display enhances and simplifies the use of the VoWiFi Handset.

All procedures in this document are according to default programmed versions, but additional functions and factory settings are also included as an attempt to cover all functionality.

Note: Some functions are PBX and protocol (H.323/SIP) dependent and your system may not supply all functions described in this document. For more information about your system, please contact the person (or department) responsible for the system in your organization, or contact your supplier.

There are three versions of the VoWiFi Handset:

- Talker
- Messenger, with messaging functions,
- Protector, with messaging functions.

The VoWiFi Handset can be upgraded to a higher version via a license.

Read the 2 Safety and Regulatory Instructions on page 8 before using the VoWiFi Handset.

For software download and parameter set up, read the *Installation and Operation Manual, Portable Device Manager (PDM)*, *TD 92325EN*, and the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*.

1.1 Target Group

This document is intended for the responsible (for example the system administrator) for handling the administration and distribution of VoWiFi Handsets at the end customer site, or anyone (for example the end-user) interested in getting deeper user knowledge.

1.2 Prerequisite

Before using the VoWiFi Handset, the system administrator must register it in the PBX for voice and in the applicable Unite modules for messaging and the optional central management. Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*.

1.3 How to Use This Document

1.3.1 System Administrators

The following chapters describe functions configured by the system administrator. For more information on configuration, see the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*.

- 4.2 Log a Shared Phone On/Off on page 21
- 5.10 Customizing the Menu Tree on page 31

- 6.3 In Call on page 34
- 6.6 Push-to-Talk Group Call on page 37
- 7 Alarm Operation on page 38
- 8 Location on page 41
- 9.2 Contacts on page 44
- 10 Advanced Functions on page 62
- 11 Advanced Messaging on page 62
- 13 System Handling on page 65

1.3.2 End Users

For end-users, it is recommended to read the following chapters to get started:

- 3 Description on page 13
- 4 Basic Operation on page 21

See also *Quick Reference Guide, Ascom i62 VoWiFi Handset, TD 92597EN*. Because of its handy format, a print-out can be placed next to the VoWiFi Handset as a quick reference.

1.4 Abbreviations and Glossary

Device Manager	Application for management of portables, editing of parameters and updating the portables with new software, running on IMS3 and Unite CM.
GUI	Graphical User Interface.
IMS3	Integrated Wireless Messaging and Services: Unite module that enables wireless services to and from the VoWiFi Handsets in a WLAN system. It also includes the Device Manager.
IP	Internet Protocol: Global standard that specifies the format of datagrams and the addressing scheme.
PDM	Portable Device Manager: Used for management of portables, editing of parameters and updating the portables with new software.
SNMP	Simple Network Management Protocol
Unite CM	Unite Connectivity Manager: Unite module that enables messaging and alarm handling in a WLAN system. It also includes the Device Manager.
VoIP	Voice over Internet Protocol
VoWiFi	Voice over Wireless Fidelity: A wireless version of VoIP. Refers to IEEE 802.11a, 802.11b, 802.11g, or 802.11n network.
WiFi	Wireless Fidelity: Used generically when referring of any type of 802.11 network.

1.5 Functions and Accessories

Functions	Talker	Messenger	Protector
Dynamic output power according to 802.11h	x	x	x
Upgradable to Messenger[a]	x	-	-
Upgradable to Protector[a, b]	x	x	-
Personal alarm[b]	-	-	x
Man-down and No-movement alarm[b, c]	-	-	x
Automatic call after alarm	-	-	x
Acoustic Location Signal (ALS)	-	-	x
Alarm on outgoing call (e.g. 911/912)[b]	-	-	x
Data send[b]	-	x	x
Data with prefix[b]	-	x	x
Alarm with data[b]	-	-	x
Alarm with location, access points[b]	-	-	x
Ekahau RTLS[a]	x	x	x
Cisco RTLS	x	x	x
Messaging[b]	-	x	x
Interactive Messaging[b]	-	x	x
Colored messaging[b]	-	x	x
Message acknowledgement[b]	-	x	x
Voice mail[d]	x	x	x
Push-to-talk (PTT)[b]	-	x	x
Shared phone[a, b]	x	x	x
Multifunction button	x	x	-
3 programmable soft keys	x	x	x
9 programmable hot keys	x	x	x
Programmable navigation key	x	x	x
Vibrator function	x	x	x
Compliance with Cisco Systems, Inc. Cisco Compatible Extension	x	x	x
Centralized management[b]	x	x	x
Customized GUI	x	x	x
Easy replacement of VoWiFi Handset	x	x	x
Easy replaceable battery	x	x	x
Local phonebook (250 contacts)	x	x	x
Central phonebook[b, d]	x	x	x
Company phonebook (1000 contacts)	x	x	x
Clear lists in charger	x	x	x
Supports SNMP	x	x	x
18 languages and 1 customizable	x	x	x
Standard headset connector 2.5 mm	x	x	x
Loudspeaking function	x	x	x
Microphone on/off during call (mute)	x	x	x
Manual and automatic keypad lock	x	x	x
Phone lock	x	x	x
Site Survey tool	x	x	x

a. This function requires a license.

b. This function is configured by the administrator.
c. The handset version must be WH1-AAAA/2A or above (see label under battery cover). This function requires a license.
d. This function is system dependent.

Accessories	Talker	Messenger	Protector
Leather case	x	x	x
Spare clip (Hinge-type)	x	x	x
Swivel-type clip	x	x	x
Cover for no clip	x	x	x
Security cord	x	x	x
Desktop charger	x	x	x
Desktop programmer USB	x	x	x
Charging rack	x	x	x
Multiple battery charger	x	x	x
Headset with microphone on cable	x	x	x
Headset with microphone on boom	x	x	x
Hearing protection 2.5 Peltor	x	x	x
Battery pack	x	x	x

2 Safety and Regulatory Instructions

Read this chapter before using the Ascom i62 VoWiFi Handset.

For safe and efficient operation of the VoWiFi Handset, observe the guidelines given in this manual and all necessary safety precautions when using the VoWiFi Handset. Follow the operating instructions and adhere to all warnings and safety precautions located on the product, the *Quick Reference Guide* and the *User Manual*.

Do not disassemble the VoWiFi Handset. Disassembling the VoWiFi Handset voids the warranty. The VoWiFi Handset consists of no consumer serviceable components. Service should be performed by Authorized Service centre only.

Changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This product shall only be used with the following batteries:

- Art.No.: 660190 Battery

Single chargers shall only be connected with power adapters supplied by the manufacturer.

Available power adapters (Suppliers Designation) are:

- Art.No.DC3: 130213A Power supply unit, AC: 100V-240V, DC: 5V/0.65A - Europe and Brazil
- Art.No.DC3: 130166A Power supply unit, AC: 100V-240V, DC: 5V/1A - USA, Canada, AUS, and UK

The Charging Rack shall only be connected with the following power supply:

- 100–240 VAC/0.7A 50/60 Hz.

IMPORTANT: In Sweden, Norway and Finland a connection to protective earth (safety grounding) must be provided.

IMPORTANT: In the USA and Canada the Charging Rack must only be installed as a single unit, serial configuration is not permitted.

2.1 Precautions

- **Save this manual.** It includes important safety information and operating instructions. Save all instructions for future reference.
- Avoid volume levels that may be harmful to your hearing. Exposure to excessive sound pressure from a VoWiFi Handset's earpiece or headset may cause permanent hearing loss.
- The VoWiFi Handset may retain small metal objects around the microphone or earpiece region.
- Connect AC (power supply) to the desktop battery charger only to designated power sources as marked on the product.

  Danger: Never change the AC cord or plug. If the plug does not fit into the outlet, have a proper outlet installed by a qualified electrician. Improper connection increases the risk of electric shock.
- Position the electrical cord to the AC power supply where it is least likely to be subjected to damage or stress.
- Remove the electrical cord from an outlet by pulling gently on the AC adapter, not by pulling the cord.
- Unplug the battery charger from a power source (or remove VoWiFi Handset from charger) before cleaning the VoWiFi Handset to reduce risk of electric shock.
- Do not use auxiliary equipment with the VoWiFi Handset which is not exclusively recommended by the manufacturer, see the *User Manual*. The use of any auxiliary equipment not recommended by the manufacturer may result in fire, electric shock, or injury, and will void the warranty.
- Do not expose the VoWiFi Handset to open flame.
- Do not expose the VoWiFi Handset and/or the charger to direct sunlight for long periods. Keep the VoWiFi Handset and/or charger away from excessive heat and moisture.
- Do not allow heavy objects to fall on the VoWiFi Handset.
- Do not allow children to play with the product packaging material. Product packaging material is often small and may present a choking hazard.
- Do not allow children to play with the VoWiFi Handset. It is not a toy. Children could hurt themselves or others. Children could also damage the VoWiFi Handset.

2.1.1 Frequency Range

The VoWiFi Handset is a radio transmitter and receiver. When it is on, it receives and sends out radio frequency (RF) energy. The VoWiFi Handset operates on different frequency ranges depending on market and employs commonly used modulation techniques:

EU (ETSI):	b/g: 2400–2483.5 MHz (Ch 1–13) and a: 5150–5350 MHz (Ch 36, 40, 44, 48, 52, 56, 60, 64), 5470–5710 MHz (Ch 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140)
USA/ Canada (FCC):	b/g: 2400–2483.5 MHz (Ch 1–11) and a: 5150–5350 MHz (Ch 36, 40, 44, 48, 52, 56, 60, 64), 5470–5710 MHz (Ch 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140), 5725–5875 (Ch 149, 153, 157, 161, 165)

2.2 Regulatory Compliance Statements (EU/EFTA only)

This equipment is intended to be used in the whole EU & EFTA. This equipment is in compliance with the essential requirements and other relevant provisions of R&TTE Directive 1999/5/EC and 2009/125/EC (Eco Design).

The Declaration of Conformity is available at:

https://www.ascom-ws.com/doc/

The VoWiFi Handset is marked with the label CE ⓘ

2.2.1 Restrictions for Wireless LANs (EU/EFTA and USA/Canada)

Frequency Band (MHz) and Channel	Max Power Level (EIRP)(mW)	Indoor ONLY	Indoor and Outdoor
2400–2483.5 Ch 1–13	100		X
5150–5350[a] Ch 36–64	200	X	
5470–5725[a] Ch 100–140	1000		X

a. Dynamic Frequency Selection and Transmit Power Control is required in the 5250 to 5350 MHz and 5470 to 5725 MHz frequency range.

2.2.2 Additional National Restrictions

Note: Always consult local authorities for the latest status of National Regulations for both 2400 and 5000 MHz wireless LANs.

Denmark

The 5150–5350 MHz Frequency band is also allowed for outdoor usage.

France

The 2454–2483.5 MHz Frequency band is restricted to 10 mW EIRP when the product is used outdoors.

See also http://www.arcep.fr/ for more details.

Italy

Operating wireless wireless equipment requires a ''general authorization'' unless it is operated within the boundaries of the owner's property.

See also http://www.comunicazioni.it for more details.

Latvia

The outdoor usage of the 2400 MHz Frequency band requires an authorization from the Electronic Communications Office.

See also http://www.esd.lv for more details.

2.3 Regulatory Compliance Statements (USA and Canada only)

FCC ID: BXZWH1
IC: 3724B-WH1
US: 9FVIPNANWH1 **HAC**

2.3.1 FCC and IC Compliance Statements

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la Classe B conforme á la norme NMB-003 du Canada.

Privacy of communications may not be ensured when using this VoWiFi Handset.

2.3.2 Exposure to Radio Frequency Signals

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device complies with FCC SAR limit of 1.6 W/kg. The maximum SAR value measured when used at the ear is 1.02 W/kg. The telephone has also been tested when worn on the body using belt clip. The maximum measured SAR value in this configuration is 0.689 W/kg. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Use of non-Ascom approved accessories may violate the FCC and IC guidelines for RF exposure and should be avoided.

2.3.3 Information to User

This device complies with Part 15 of the FCC rules and with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

1 this device may not cause harmful interference, and

2 this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux règles FCC partie 15 et aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

1 l'appareil ne doit pas produire de brouillage, et

2 l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

2.4 Environmental Requirements

2.4.1 VoWiFi Handset

- Only use the VoWiFi Handset in temperatures between -5 °C and +45 °C (23 °F and 113 °F).
- Avoid exposing the VoWiFi Handset for direct sunlight or close to other heat sources.
- Do not expose the VoWiFi Handset to open flame.
- Keep the VoWiFi Handset away from excessive heat and moisture.
- Avoid sudden temperature changes to prevent condensation in the VoWiFi Handset. It is recommended to put the VoWiFi Handset into an air tight plastic bag until the temperature is adjusted, for example, when entering or leaving a cold/heated building on a warm/cold day.
- Protect your VoWiFi Handset from aggressive liquids and vapours.
- If the VoWiFi Handset has been exposed for water or condense, remove the battery immediately and let it dry completely before re-inserting the battery.
- Keep the VoWiFi Handset away from strong electromagnetic fields.
- Do not place a cold VoWiFi Handset in a charger.

Chemical Resistance

The alpha and numeric characters printed on the exterior of the VoWiFi Handset have been tested and found resistant to chipping, fading or wearing off when the VoWiFi Handset is treated with common cleaners and disinfectants or perspiration. The following chemicals have shown no harmful effect:

- 3 % Hydrochloric Acid
- M-alcohol (70 % Methylated Ethanol)
- 60 % Chlorhexidine 0.5 mg/ml
- Acetone can be damaging to the plastic casing of the VoWiFi Handset and should not be used.

2.4.2 Battery

- Do not immerse the battery into water. This could short-circuit and damage the battery.
- Do not expose a battery to an open flame. This could cause the battery to explode.
- Do not allow the metal contacts on the battery to touch another metal object. This could short-circuit and damage the battery.

- Do not leave a battery where it could be subjected to extremely high temperatures, such as inside a car on a hot day.
- Use the Desktop Charger or the wall mounted Charging Rack for charging. Charge the battery for at least one hour the first time you use the battery. Note that a separate wall mounted battery pack charger has to be used if the battery alone is to be charged.
- Do not charge a battery when the ambient room temperature is above 40 °C or below 5 °C (above 104 °F or below 41 °F).
- Do not attempt to take a battery apart.
- Do not disconnect the battery unless it needs to be replaced.
- Power off the VoWiFi Handset before removing the battery.

Battery Disposal

Defective batteries must be returned to a collection point for chemical waste disposal.

3 Description

3.1 The VoWiFi Handset

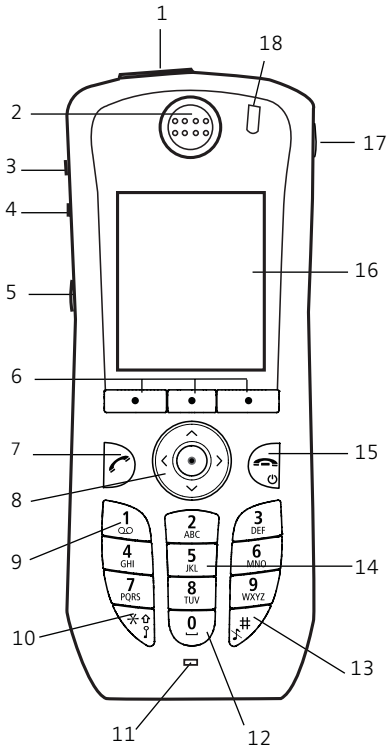

Figure 1. The VoWiFi Handset.

1 Multifunction[a]/Alarm button
This button can be used as a short cut to functions; long or double press modes. In the Protector, the button is used as an alarm push button only. See 9.6.4 Define Multifunction Button on page 53 and 7.1 Push-Button Alarm on page 38.

2 Earpiece speaker

3 Volume button (up)
To increase the earpiece speaker, headset, and the loudspeaker volume.

4 Volume button (down)
To decrease the earpiece speaker, headset, and the loudspeaker volume.

5 Mute and PTT button
To turn on/off audible signals in standby mode, or silencing the ring signal at incoming call. During a call, a long press on the button changes between microphone on/off. Same function as (13) Sound off key.
To open the microphone during a Push-to-Talk (PTT) group call. The microphone is open as long as the button is depressed.

6 Soft keys
The three Soft keys can be pre-programmed, see 9.6.1 Define Soft Keys on page 52, or used with the GUI. The function of each Soft key is indicated by text in the display just above the keys.

7 Call key
To answer a call, to pre-dial a number, and used as a short cut to the Call list.

8 Five-way navigation key
Navigation key with Left, Right, Up, Down, and Confirmation (in the middle). It is also possible to program these keys for short cuts, except the middle key. The ^ is by default a short cut to the Inbox, and ˇ is a short cut to Call contact. See also 9.6.3 Define Navigation Key on page 53.

9 Voice mail access[a]
A quick access to the VoWiFi Handset's Voice mail by long press. See also 11.1 Voice Mail on page 62.

10 Key lock and upper/lower case
Combined key lock to lock the keypad and upper/lower case. This key is to lock the keypad in combination with the soft key ''Lock''. This key is also for switching between upper/lower case and digits.

11 Microphone

12 Space
To add space between text.

13 Sound off key
To turn on/off audible signals in standby mode, or silencing the ring signal at incoming call. During a call, a long press on the key/button changes between microphone on/off. Same function as (5) Mute button.

14 Tactile indicators
There are two tactile indicators to indicate the centre of the key pad.

15 End key and On/Off
Combined button; to end a call, to return to standby mode, and to switch the VoWiFi Handset on/off by long press.

16 Color display
The full graphic type display is 176 pixels wide and 220 pixels high. The display has multiple colors and backlighting.

17 Headset connector
The headset connector is used to connect a headset. It is protected against dust by using the headset connector cover.

18 LED
Indicates incoming call, messaging, low battery, and charging.

a. This feature is system dependent.

IMPORTANT: The VoWiFi Handset may retain small metal objects around the microphone or earpiece region.

Case

The plastic cover parts are made of durable PC/ABS material.

The VoWiFi Handset has the enclosure protection IP44 and it also fulfils IEC 60068-2-32, procedure 1, which makes it drop proof from 1 meter onto concrete. Ascom approves 12 drops from 1.5 metre.

Antenna

The antenna is integrated inside the VoWiFi Handset.

Display

The display is an illuminated 28 x 35 mm, TFT display.

Keypad

While not in use, the keypad should be locked to prevent pressing a key accidentally.

Loudspeaker

The VoWiFi Handset has a separate loudspeaker for the loudspeaking function. It is placed on the back side of the VoWiFi Handset.

Microphone

The microphone is placed on the front bottom side of the VoWiFi Handset.

Clip

There are two different belt clip options to the VoWiFi Handset; a hinge-type clip (standard), and a swivel-type clip. See 15 Troubleshooting on page 69, or 14.3 Attach the Swivel-type Clip on page 68. Use the clip to attach the VoWiFi Handset to a pocket, belt, or similar. It is also possible to use the VoWiFi Handset without any clip on, see 14.4 Attach Cover for No Clip on page 68.

Battery

The battery is a rechargeable Li-Ion battery, placed under a battery cover. See 14.1.4 Replace the Battery on page 66.

The battery is fully charged within 2.5 hours. See 14.1.2 Charge the Battery on page 66.

The battery can be charged separately with a special battery charger. See 14.1.3 Charge Spare Batteries on page 66.

3.1.1 Alphanumeric Keys

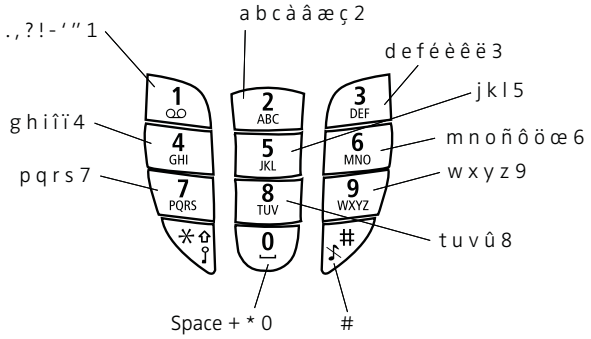

Figure 2. Available characters.

Note: Depending on the selected menu language, other characters can be available. This means that the character order can differ from the table above.

In idle mode, and number input mode

- A short press on a key enter the digits ''0''–''9'' and the characters * and #.
- Enter a pause in number input mode by a long press on the *-key. A pause is indicated by a ''P'' in the display.

In text input mode

- A short press on a key 0–9, displays the first available character on that specific key. The marked character is selected after a timeout, or when another key is pressed.
- To change to upper/lower case, press the *-key before entering the character. The *-key can also be used to display only the digits.
- To add space in the text, make a short press on key 0.
- The first character entered in a message, or when adding/editing a name in the Contacts menu, will be an upper level character followed by lower level characters, unless the *-key is pressed before entering the character. To switch between ''Abc'', ''ABC'', ''abc'', and ''123'', press the *-key.
- A long press on the #-key displays special characters.

3.1.2 Hot Keys

Any key ''0'', ''2''–''9'' can be set to a Hot Key. A long press on any of these numbers in idle mode are by default a short cut to the Call contact list. The list is in alphabetic order, and depending on which key that is pressed is dependent on where in the list the contact appears.

A Hot Key can be programmed to give access to frequently used functions such as dialling a specific number, a short cut on the menu, or sending a message. See 9.6.2 Define Hot Keys on page 53.

3.1.3 Icons and Text in the Display

The icons and text in the display indicate functions and settings the user has access to. The display normally displays date and time, the Owner ID and VoWiFi Handset number. The Owner ID can manually be set by the user.

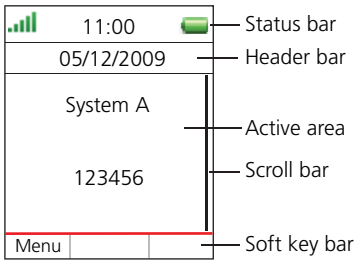

Figure 3. Example of a display configuration in idle mode.

The top row (Status bar) is used for icons which give the user information about signal strength, missed call, new message, phone lock, key lock, sound off, time and battery status. This row is always visible in all screens.

The next row (Header bar) displays the current date, headset connection, and profile. During call it also displays microphone on and loudspeaker on.

The next rows (Active area) are used for information such as the name of the system that the VoWiFi Handset is connected to. A user identity provided from the system and/or an Owner ID can also be displayed if configured in the Settings menu. This is also the area for dialogue window text, for example ''missed calls'' or to confirm an action.

The bottom row (Soft key bar) is used for Soft keys which can be used as short cuts for functions in the VoWiFi Handset. See 3.1 The VoWiFi Handset on page 13.

The (Scroll bar) is placed to the right of the ''Active area''. It becomes visible when a menu screen has more than six menus, or if the complete text in a message cannot be displayed on the screen simultaneously.

Icons

''Signal strength'' icon is visible in the upper left corner. The staples shown in display depends on the signal strength.

''Full battery'' icon is displayed in upper right corner.

''Low battery warning'' icon is shown when the battery has 10% or lower of its capacity left.

''Empty battery warning'' icon is flashing when the battery has 5% or lower of its capacity left.

''Microphone off'' icon indicates a silenced microphone. It is displayed after a long press on the Sound off key or Mute button during a call.
During a PTT (Push-to-Talk) call, the microphone is silenced when the PTT button is released.

''Loudspeaker on'' icon is displayed in the soft key bar during an incoming call. Pressing this icon will turn on the loudspeaker. The icon remains in the header bar during the call as long as the loudspeaker is on.

''Loudspeaker off'' icon.

''Sound off'' icon is displayed when the Sound off key or Mute button is pressed in idle mode.

"Headset connected" icon indicates that a corded headset is connected to the VoWiFi Handset.

"New message" icon or "Interactive message" icon indicates that a new text message (or messages) has arrived. The icon remains in the status bar until all new messages in the inbox are read.

"New message with request for answer" icon in front of a message indicates that this message must to be acknowledge or rejected.

"New message, important" icon indicates high priority of a message.

"New message, alarm priority" icon indicates alarm priority of a message.

"Voice mail" icon is displayed in the status bar when there are voice mails. The icon remains until voice mail has been listened to.

"Read message" icon or "Read Interactive message" icon in front of a message shows that this message once has been read.

"Sent message" icon

"New colored message" icon indicates that a new colored text message(s) has arrived. The messages can be labelled with different colors.

"Read colored message" icon indicates that a colored text message(s) has been read. The messages can be labelled with different colors.

"Man-down" icon indicates that the Man-down alarm is enabled.

"No-movement" icon indicates that the No-movement alarm is enabled.

"Profile active" icon.

"Missed call" icon is added to all missed calls in the call list.

"Incoming call" icon is added to all answered calls in the call list.

"Outgoing call" icon is added to all outgoing calls in the call list.

"Missed call" icon indicates missed calls in the status bar.

"Connected call" icon indicates an ongoing call.

"Call on hold" icon indicates a paused call.

"Call diverted" icon indicates that all calls are diverted to another VoWiFi Handset.

"To contacts" icon indicates a soft key function that opens the contact list.

"Locked keypad" icon indicates a locked keypad.

"Locked entry" icon indicates that the contact cannot be edited or deleted by the user, for example, an entry in the company phonebook.

"Locked handset" icon indicates a locked VoWiFi Handset.

Handset with Talker license.

Handset with Messenger license.

Handset with Protector license.

Menu Icons

The ''Contacts'' menu contains all names/numbers in the local phonebook. In addition, a company phonebook with up to 1000 entries can be downloaded to the phone via the Device Manager. It is also possible to access a central phonebook[a] from the ''Contact'' menu.

The ''Services'' menu contains short cuts to services such as phone calls, data send, and PTT calls.

The ''Messaging'' menu contains all message handling such as reading and writing messages.

The ''Calls'' menu contains Call list, Missed calls, Presence[a], and Divert calls[a].

The ''Connections'' menu contains Headset selection, System selection, and In charger selection.

The ''Settings'' menu contains personal VoWiFi Handset settings such as changing the ringer volume, selecting language, etc.

The ''Short cuts'' menu contains short cuts for the Soft keys, Hot keys, and Navigation keys.

The ''Profiles'' menu contains possibility to add four different profiles. By default there is no profile.

a. This feature is system dependent.

3.2 Accessories

3.2.1 Desktop Charger

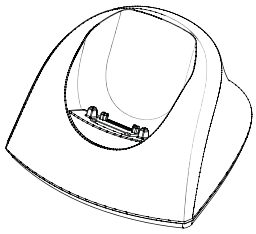

Figure 4. Desktop Charger for VoWiFi Handset

There is one desktop charger available, (DC3) that will charge the VoWiFi Handset. There is also a desktop programmer (DP1) used to download new software and to synchronize parameters. They look the same except that the DP1 has an USB connection. The VoWiFi Handset is fully operational while placed in the charger.

The charger is delivered with a plug-in power supply and is connected into an ordinary wall socket.

Note: Only use the charger within the temperature range of +5° C – +40° C.

IMPORTANT: Only use the provided power supply.

3.2.2 Rack Charger

The rack charger is used for charging up to six VoWiFi Handsets at the same time.

Refer to the *Installation and Operation Manual, CR3 Charging Rack, TD 92480EN*.

3.2.3 Battery Pack Charger

The battery pack charger (CR4) is used for charging up to six spare batteries.

Refer to the *Installation Guide, CR4 Battery Pack Charger, TD 92724EN*.

3.2.4 Clip

Note: It is possible to use the VoWiFi Handset without any clip on, see 14.4 Attach Cover for No Clip on page 68.

Note: The belt clips cannot be used if the VoWiFi Handset shall be placed in a case. See 3.2.6 Leather Casing on page 20 for more information.

There are two belt clips available:

- Hinge-type clip
  To prevent the VoWiFi Handset from slipping out of for example pocket or belt, see 15 Troubleshooting on page 69.
- Swivel-type clip
  To be able to rotate without slipping out from for example pocket or belt, see 14.3 Attach the Swivel-type Clip on page 68.

3.2.5 Security Cord

The security cord is 800 mm long. It is attached directly to the VoWiFi Handset.

3.2.6 Leather Casing

The leather casing is especially designed for the VoWiFi Handset. The casing comes with a swivel type belt clip, and the VoWiFi Handset is fully operational while placed in the casing.

3.2.7 Headset

A headset is recommended if the VoWiFi Handset is frequently used and/or if the user wants to have both hands free. The headset comes in three versions; microphone integrated in the cable, microphone on a boom and hearing protection. It is also possible to use any headset with a 2.5 mm connector and configure parameters for the headset using the user's headset profile.

In order to achieve optimal audio quality with the different headset types it is recommended to select the corresponding headset profile. See 9.8.1 Headset on page 60 for more information.

4 Basic Operation

Note: For information on how to answering/ending a call, see 6.1 Incoming Call on page 32.

4.1 Switch the Handset On/Off

Switch the Handset On

1 Press and hold the End key.

When pressing the End key, the display lights up.

Switch the Handset Off

Note: The VoWiFi Handset must be in idle mode. While in a menu, press the End key to return to idle mode.

1 Press and hold the End key.

2 A control question ''Switch off?'' is displayed. Confirm by pressing ''Yes''.

4.2 Log a Shared Phone On/Off

The feature shared phone allows more than one user to use a VoWiFi Handset. All parameters and settings that are set in the Device Manager are loaded to the VoWiFi Handset upon logon. Parameters that are changed in the VoWiFi Handset by a logged in user, are stored by the Device Manager. When the VoWiFi Handset is logged out or switched off, the message list and call list in the VoWiFi Handset disappears and will be empty when a new user logs on to the VoWiFi Handset.

The VoWiFi Handsets are configured to be shared using the Device Manager. When a VoWiFi Handset is configured to be a shared phone, it can be used by any shared phone user in the system. The user profile must have the ''personal phone'' parameter disabled. If the user is configured as personal (that is not shared), the VoWiFi Handset will become a personal phone upon first log on.

Log On to the Handset

1 Switch the VoWiFi Handset on.

2 Enter the user name.

3 If required, enter the password. Navigate by using ^ and v on the Navigation key.

4 Press ''Log in''.

If the VoWiFi Handset does not find the WLAN upon start-up, a ''No Network'' screen is shown. If the VoWiFi Handset does not receive an IP address from the system, a ''No Access'' screen is shown.

Log Off from the Handset

Note: The VoWiFi Handset must be in idle mode. While in a menu, press the End key to return to idle mode.

1 Press and hold the End key.

2 A control question ''Log off?'' is displayed. Confirm by pressing ''Yes''.

4.3 Turn the Audible Signal On/Off

Note: The VoWiFi Handset must be in idle mode. While in a menu, press the End key to return to idle mode.

A long press on the Sound off key or Mute button changes between ring signal on/off. The icon indicates a silenced VoWiFi Handset.

4.4 Lock/Unlock the Keypad

To prevent accidentally pressing keys and making a call, the keys can be locked.

Lock Keypad

1 Press .

2 Press ''Lock''.

Unlock Keypad

1 Press .

2 Press ''Yes''.

Note: It is possible to answer/close an incoming call while the keypad is locked. If configured in the Device Manager, it is also possible to call an emergency call while the keypad is locked. Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*.

4.5 Lock/Unlock the Handset

The VoWiFi Handset can be protected for unauthorized use. If this function is activated, a PIN code has to be entered at power on, or when the VoWiFi Handset is placed in a charger – this behaviour will first be activated when the VoWiFi Handset is placed in the charger. The default phone lock code (0000) can be changed to any 4–8 digit personalized code.

1 Press ''Menu''.

2 Select ''Settings'' .

3 Select ''Locks''.

4 Select ''Phone lock''.

5 Select ''Auto phone lock''.

6 Select ''On'', ''On in charger'', or ''Off''.

7 Enter PIN code. If the PIN code is forgotten, it can be reset by the system administrator.

8 Press ''OK''.

Note: If configured in the Device Manager, it is possible to call an emergency call while the VoWiFi Handset is locked. Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*.

5 Menu Tree

5.1 Calls

Call list	>	1234 12:00	>	Call				
		1235 14:00		More	>	Time of call		
		etc.				Edit number		
						Save number	>	Work number
								Mobile number
								Other number
						Send message	>	
						Delete	>	Yes
								No
						Delete all	>	Yes
				Back				No
Missed calls	>	2345 15:00	>	Call				
		2346 23 Sep 03		More	>	(same as above)		
		etc.		Back				
Divert calls[a]	>	All calls	>	Enter number:	>	Activ.		
		No reply		(same as above)		(same as above)		
		When busy		(same as above)	>	(same as above)		
				Back				
Presence[b]	>	(examples below)			>	Deactivate	>	Yes
		Lunch break	>	Return time				
		Left for the day	>	Return date				No
		Away from desk						
		Meeting	>	Return time				
		Business trip						
		Part-time						
		Vacation	>	Return date				
		Be on leave of absence	>	Return date				
		Back soon	>	Return time				
		Sick-leave						
		VAB (Parental leave)						
		Info						

a. Depends on the VoIP protocol used.
b. This function is configured by the administrator..

5.2 Contacts

Call contact	>	Search				
		From contact list				
Add contact	>	New	>	Name	>	
				Work number	>	
				Mobile number	>	
				Other number	>	
				Ring signal	>	
		From call list	>			
Edit contact	>	Search				
		From contact list	>	Name		
				Work number		
				Mobile number		
				Other number		
				Ring signal	>	
Delete contact	>	Search				
		From contact list	>			
Central Phonebook[a]	>	Search by name	>	Call		
		(First name:)		More	>	View contact
		(Last name:)				Add to cont.
						Send message
		Search by number	>	Call		
		(Phone number:)		More	>	(same as above)
		Last result	>	Call		
				More	>	(same as above)

a. This function is system dependent.

5.3 Profiles

Normal	>	Name				
		Volume	>			
		Ring signals	>	Internal call	>	Play
						Back
				External call	>	(same as above)
				Callback	>	(same as above)
		Message alert	>	Play		
				Back		
		Vibrating alert	>	On		
				On if silent		
				Off		
		Key sound	>	Click		
				Tone		
				Silent		
		Answering	>	Answering key	>	Hook off
						Any key
			>	Answer behaviour	>	Automatically
						Loudspeaking
		Divert calls[a]	>	All calls	>	Enter number
						Off
				No reply	>	(same as above)
				When busy	>	(same as above)
Add new	>	(same as Normal above)				

a. Depends on the VoIP protocol used.

5.4 Messaging

Note: Applicable to Messenger and Protector only.

Inbox	>	Message list	>	View	>	Reply	>	Enter text	>	Send		
						More	>	Delete				
								Forward				
								Call sender				
								Call no. in text[a]	>	Call		
										Back		
								Save number				
						Close						
				More	>	Delete	>	Yes				
								No				
						Delete all	>	Yes				
								No				
				Back								
Write new message	>	Enter text	>	Send	>	Enter number	>	Send				
						"Contacts access"	>	Send				
				Back								
Unsent	>	Message list	>	Edit	>	Send	>	Enter number				
							>	"Contacts access"				
				More	>	Delete	>	Yes				
								No				
						Delete all	>	Yes				
								No				
				Back								
Sent	>	Message list	>	View	>	Forw.	>	Send	>	Enter number	>	Send
										"Contacts access"	>	Send
								Clear				
								Back				
						More	>	Delete	>	Yes		
										No		
								Call no. in text[a]	>	Call		
								Save number	>	Work No.		
										Mobile No.		
										Other No.		
						Close						
				More	>	Delete	>	Yes				
								No				
						Delete all	>	Yes				
								No				
				Back								

a. Visible if number consists of a minimum of 3 digits.

5.5 Services

Note: Applicable to Messenger and Protector only.

Note: This function is configured by the administrator.

Add new	>	Enter name	>	Phone call	>	Phone number	>	Enter number	>	Save
								‘‘Contacts access’’	>	Save
								Back		
				Send data	>	Enter prefix	>	Enter number	>	Save
										Clear
										Back
				Send message	>	Phone number	>	Enter number	>	Save
								‘‘Contacts access’’	>	Save
								Back		
				PTT	>	PTT Groups[a] (example)				
				Edit alarm data	>	Alarm data (example)				
Service 1 (example)	>	Select	>	(Sending message)						
		More	>	Edit						
				Delete	>	Yes				
						No				

a. This function is configured by the administrator.

5.6 Short cuts

Soft Keys	>	Left	>	Name				
				Function	>	Not used		
						Phone call	>	Enter number
						Call list		
						Contact list		
						Central Phonebook[a]		
						Message inbox		
						Send message	>	Enter number
						Change profile	>	Profile A (example)
						Open a menu	>	Main menu
								Calls
								Connections
								Contacts
								Messaging
								Services
								Profiles
								Settings
						Presence[b]	>	
						Services	>	
						Logout		
						Divert calls		
						Show RSSI		
				Control question	>	Off		
						On		
				Value[c]				
		Middle	>	(same as Left key)				
		Right	>	(same as Left key)				
Hot Keys	>	0, 2—9	>	Function	>	(same as above)		
				Control question	>	Off		
						On		
Navigation keys	>	Up	>	Function	>	(same as above)		
				Value[c]				
				Control question	>	Off		
						On		
		Down	>	(same as Up key)				
		Left	>	(same as Up key)				
		Right	>	(same as Up key)				
Multifunction button[d]	>	Long press	>	Function	>	(same as above)		
				Value[c]	>			
				Control question	>	Off		
						On		
		Multi press	>	(same as Long press)				

a. This function is system dependent.
b. This function is configured by the administrator.
c. Dynamic, appears only for certain functions.
d. Applicable to Talker and Messenger only.

5.7 Connections

Headset	>	Mic on boom		
		Mic on cable		
		Hearing protection		
Network	>	Select	>	Network A (example)
In charger	>	No action		
		Switch off		
		Sound off		
		Change profile	>	Edit
				Back

5.8 Settings

Sound & Alerts	>	Volume	>	Silent, Volume: 1—8		
		Ring signals	>	Internal call	>	Fourteen different signals
				External call	>	(same as above)
				Callback	>	(same as above)
		Message alert	>	Message alert 1 (example)	>	Play
						Back
		Vibrating alert	>	On		
				On if silent		
				Off		
		Key sound	>	Click	>	Play
						Back
				Tone	>	(same as above)
				Silent		
		Battery warning	>	Repeated sound		
				Sound once		
				Sound off		
Locks	>	Automatic key lock	>	On		
				Off		
		Phone lock	>	Auto phone lock	>	On
						On in charger
						Off
				Change PIN code	>	
Display	>	Brightness	>	Normal		
				Power save		
		Screen saver	>	Information		
				Black		
Time & Date	>	Time format	>	12:00am/pm		
				12:00		
		Date format	>	01 Jul 10		
				Jul 01 2010		
				2010-07-01		
				07/01/2010		
				01/07/2010		
				01-07-2010		
				01.07.2010		

Answering	>	Answering key	>	Hook-off (Call-key)		
				Any key		
		Answering behaviour	>	Automatically	>	Change
						Back
				Loudspeaking	>	(same as above)
				Quick answer	>	(same as above)
Messages	>	Text size	>	Normal		
				Large		
Language	>	Czech (Čeština)				
		Danish (Dansk)				
		German (Deutsch)				
		Greek (Ελληνικά)				
		English (English)				
		Spanish (Español)				
		French (Français)				
		Italian (Italiano)				
		Hungarian (Magyar)				
		Dutch (Nederlands)				
		Norwegian (Norsk)				
		Polish (Polski)				
		Portuguese, Brazilian (Português (Br))				
		Russian (Русский)				
		Slovak (Slovenčina)				
		Finnish (Suomi)				
		Swedish (Svenska)				
		Turkish (Türkçe)				
Owner ID	>	Name:				
Alarm[a]	>	Activate alarm	>	Man-down		
				No-movement		
Device info	>	Software				
		Hardware				
		License				
		WLAN info				
		Network info				
		User ID				

a. Applicable to Protector only.

5.9 In Call

The In Call menu can be reached during an ongoing call by pressing the middle Soft Key marked ''More''.

Note: If configured in the Device Manager, it is possible to call an emergency call while the VoWiFi Handset/keypad is locked. During the ongoing emergency call, the In Call menu is not reachable.

New call	>	Call					
		''Phonebook access''					
		Cancel					
Hold	>	Retr.					
		More					
		End					
Contacts	>	Call contact	>	Call			
				View			
				Back			
		Add contact	>	New	>	Name	>
						Work number	>
						Mobile number	>
					>	Other number	>
					>	Ring signal	>
				From call list	>		
		Edit contact	>				
		Delete contact	>				
		Central Phonebook[a]	>	Search by name	>	Search	
						Clear	
						Back	
				Search by number	>	(same as above)	
				Last result	>	Call	
						More	>
						Back	
Switch[b]							
Loudspeaker on	>	More	>	Loudspeaker off	>	Select	
						Close	
Microphone off	>	More	>	Microphone on	>	(same as above)	
Transfer[c]	>						
Transf. to new[b]	>	Call					
		''Phonebook access''					
	>	Cancel					
Conference[c]	>						
Retrieve[b]	>						

a. This function is system dependent.
b. Can appear on left soft key or in More menu depending on the current call status.
c. Dynamic, appears only for certain call situations.

5.10 Customizing the Menu Tree

The menu tree can be customized by hiding some of the functions that are available but for example not in use. Which functions that could be hidden are defined in the Device Manager. Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*.

6 Calling

6.1 Incoming Call

The flashing LED, accompanied by a ring signal and/or a vibrating VoWiFi Handset, gives a notice of a call. Ring signal and vibrator can be disabled, see 9.7.1 Sound and Alert Settings on page 54.

The calling party's VoWiFi Handset information or name is shown. Thelocal phonebook name will be shown if the calling party's VoWiFi Handset number is stored in thelocal phonebook, else the calling name or calling number is shown.

6.1.1 Answer a Call

When the signal sounds, press , "Accept" on the left soft key, or press to answer the call in loudspeaking mode. The name/number of the calling party is displayed if calling line information is available.

Note: When a headset is connected to the VoWiFi Handset, a press on the answering button on the headset can be used to answer the call.

Other answering keys and methods can also be set in the Settings menu. It is, for example, possible to set the answering behaviour to any key (with exceptions). The answering methods are; Automatically, Loudspeaking, and Quick answer. When "Automatically" is enabled, all incoming calls will be connected automatically. At "Quick answer", the call is connected by lifting the VoWiFi Handset out of the charger.

See 9.7.5 Answering on page 58.

6.1.2 End a Call

A press on the End key or the right Soft key "End" ends the call. The duration of the call is shown in the display.

6.2 Outgoing Call

6.2.1 Pre-Dial

Enter the number and press or the soft key "Call" to get the line. The number is shown on the display while dialling. If needed, press "Clear" to erase the number. By using the Navigation key it is possible to step and add/delete a digit in a number.

6.2.2 Dial Using a Pre-programmed Hot key, Soft key, or Multifunction Button

A Hot key, Soft key, or Multifunction button can be programmed with a number. Press the pre-programmed Hot key, Soft key or Multifunction[1] button to dial the number. The call will automatically be connected. See 9.6 Short Cuts on page 52 for information.

6.2.3 Dial a Number from the Call List

Note: It is also possible to dial a number from the Call list by pressing the Call key , select a number in the list, and then press "Call" or the Call key .

1. Applicable to Talker and Messenger only.

1 Press ''Menu''.
2 Select ''Calls'' .
3 Select ''Call list''.
4 Select a number.
5 Press or the soft key ''Call'' to dial. The number can be edited before the call is dialled. Press ''More'' and select ''Edit number''. The 25 last received, dialled or missed calls are stored in a call list. See 5.1 Calls on page 23.

6.2.4 Dial the Sender of a Message[1]

It is possible to call the sender of a message stored in the message list.

1 Open the menu by pressing the ''Menu'' soft key.
2 Select ''Messaging'' .
3 Select ''Inbox''.
4 Select message in the message list.
5 Press ''View''.
6 Press ''More''.
7 Select ''Call sender''.

6.2.5 Dial a Number from the

1 Open the menu by pressing the ''Menu'' soft key.
2 Select ''Contacts'' .
3 Select ''Call contact''.
4 Select contact from the list, or search name/number by entering characters in the search field.
5 Press ''Call'' or to make the call.

6.2.6 Dial a Number from the Company Phonebook

1 Open the menu by pressing the ''Menu'' soft key.
2 Select ''Contacts'' .
3 Select ''Call contact''.
4 The local and company phonebook appears in the same list but the company names are indicated by a ''Locked entry'' icon in front of the name. Select contact from list, or search name/number by entering characters and select search.
5 Press the soft key ''Call'' or to make the call.

6.2.7 Dial a Name from the Central Phonebook[2]

1 Open the menu by pressing the ''Menu'' soft key.
2 Select ''Contacts'' .
3 Select ''Central phonebook''.
4 Select ''Search by name''.
5 Enter the first name and/or last name, the whole name does not have to be entered.

1. Applicable to Messenger and Protector only.
2. This function is system dependent.

6 Press ''Search''.

7 Press ''Call'', or to make the call.

6.3 In Call

Note: Some of these functions are system-dependent. The parameters are set up in the Device Manager, refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*, and *Installation and Operation Manual, Portable Device Manager (PDM), TD 92325EN*.

6.3.1 Adjust the Volume during a Call

Press to increase the volume, and to decrease the volume. The VoWiFi Handset will now store and keep the new volume level.

6.3.2 Open Contacts during the Call

Note: If configured in the Device Manager, it is possible to call an emergency call while the VoWiFi Handset/keypad is locked. During the ongoing emergency call, the soft key ''More'' is disabled.

1 Press ''More'' during the call.

2 Select ''Contacts'' .

3 Press ''Select''.

4 Select ''Call contact'' for searching a local or company phonebook contact, or select ''Central phonebook'' for searching a central phonebook contact.

5 Press ''Select''.

6 Select or search contact.

It is possible to call the selected contact by pressing ''Call'' or . When calling the contact, the first call will be put on hold. See also 6.3.4 Start a New Call during Conversation on page 35.

6.3.3 Turn the Microphone On/Off during a Call

Note: If configured in the Device Manager, it is possible to call an emergency call while the VoWiFi Handset/keypad is locked. During the ongoing emergency call, the soft key ''More'' is disabled.

1 Press ''More'' during the call.

2 Select ''Microphone off''.

3 Press ''Select''.

The icon indicates a silenced microphone. This means that the other part in an ongoing call cannot hear you. To turn the microphone back on, do as follows:

1 Press ''More'' during the call

2 Select ''Microphone on''.

3 Press ''Select''.

It also possible to turn the microphone off/on by a long press on or .

6.3.4 Start a New Call during Conversation

Note: If configured in the Device Manager, it is possible to call an emergency call while the VoWiFi Handset/keypad is locked. During the ongoing emergency call, the soft key ''More'' is disabled.

1 Press ''More'' during the call.

2 Select ''New Call''.

3 Press ''Select''.

4 Enter the number and press , or ''Call''.

6.3.5 Switch between Calls

Prerequisite, a new call has been started during conversation, see 6.3.4 Start a New Call during Conversation on page 35.

1 Press the left soft key ''Switch''. The first call is put on hold and is indicated with . The ongoing call is indicated with .

If desired, repeat the step above to switch between the calls.

6.3.6 End a Call

Prerequisite, a new call has been started during conversation, see 6.3.4 Start a New Call during Conversation on page 35.

1 Select the call to end by using ^ and v on the Navigation key.

2 Press the right soft key ''End''. The selected call ends.

3 If needed, press the left soft key ''Retr.'' to resume the remaining call.

6.3.7 Transfer a Call

Prerequisite, there are two ongoing calls.

1 Select the call on hold using ^ and v on the Navigation key.

2 Press ''More''.

3 Select ''Transfer''. The two calls are connected. ''Tranferred'' is displayed and the VoWiFi Handset enters idle mode.

6.3.8 Transfer to New Call

Prerequisite, a new call has been started during conversation, see 6.3.4 Start a New Call during Conversation on page 35.

1 Select the soft key ''Transf.''. If there is more than one ongoing call, press ''More'', and then select ''Transfer to new''.

2 Press ''Select''.

3 Enter the number to the person the ongoing call will be transferred to. It is also possible to make a phonebook lookup → to select a contact in the local phonebook and the company phonebook.

4 Press the soft key ''Call'' or to transfer the call.

6.3.9 Conference Call

Prerequisite, a new call has been started during conversation, see 6.3.4 Start a New Call during Conversation on page 35. A call has to be invited to the conference call as follows:

1 Step to the call on hold (indicated with) with the five-way Navigation key. Press ''More'' during the call.

2 Select ''Conference''. Now two persons are in an ongoing call (indicated with).

The person initiating the conference call is the conference leader, and the other are participant members of the conference call.

If desired, either of the persons in the ongoing conference call can be set on hold by selecting the soft key ''More'' and selecting ''Hold *name*''.

6.3.10 Call Back

When a call is made to a busy VoWiFi Handset, it is possible to automatically call back when the busy VoWiFi Handset is free. Do as follows:

1 When a busy tone sounds, ''User busy. Order callback'' and the soft keys ''Yes'' and ''No'' are displayed.

2 Select ''Yes'' if it is desired to call the person back automatically.

3 When the VoWiFi Handset alerts, press and the call will automatically be started.

6.3.11 Call Waiting

During an ongoing conversation when a short two-beep tone for another incoming call sounds, do as follows:

1 When a short two-beep tone sounds, ''Incoming call'' and the soft keys ''Accept'' and ''Decline'' are displayed.

2 Select ''Accept'' to answer the new incoming call. The new call is connected, and the first call is put on hold.

Now it is also possible to use the soft key ''Switch'' to switch between the calls. The call on hold is indicated with , and the ongoing call is indicated with .
Any of the calls can be ended by pressing the soft key ''End''.

6.4 Loudspeaking Function

There are two options to activate the loudspeaking function:

- When receiving a call, press the middle Soft key .
- During a call, press ''More'' and select ''Loudspeaker on''.

To turn the loudspeaking function off, press ''More'' and select ''Loudspeaker off''.

This function can also be activated by selecting the answering method ''Loudspeaking''. See 9.7.5 Answering on page 58.

6.5 Call Diversion

All calls; internal calls, external calls, calls when busy, or calls at no answer can be diverted to another VoWiFi Handset number. The diversion is made via the Divert calls menu. See 9.1.3 Call Diversion on page 43 or edit the Profile, see Edit Profile on page 48.

It is also possible to programme a Soft key, Hot key, or Multifunction[1] button with a short cut to the "Call diversion" menu. Refer to 9.6 Short Cuts on page 52, and Divert All Calls on page 43.

Depending on if the SIP or H323 protocol is used, the Call Diversion differs when the VoWiFi Handset is out of range of the VoWiFi network. Using the SIP protocol, the Call Diversion function is managed by the VoWiFi Handset and the Call Diversion does not work until the VoWiFi Handset is within range again. Using the H323 protocol, the Call Diversion function is managed by the PBX and is available in the VoWiFi Handset, also if it would be out of range. Which protocol is used, is seen in the Administration menu in the Device Manager.

6.6 Push-to-Talk Group Call

Push-to-talk (PTT) provides instant voice connectivity to a group of persons. Push-to-talk is a one-way (half-duplex) communication. When a person wants to talk, he presses and holds down the button. Letting go of the button gives another person an opportunity to push-to-talk.

In order to participate in the conference, the group members must accept an invitation received as a text message, see 6.6.1 Accept a PTT Invitation on page 37.

If a member declines an invitation, he/she can re-join the group/conference later on, see 6.6.3 Re-join a PTT Group on page 38.

A user can also invite a group of members to participate in a conference call by calling a PTT group, see 6.6.4 Call a PTT Group on page 38.

Note: PTT group(s) must be defined in the Device Manager, and Messaging Group(s) in the Configuration tool (IMS3 or Unite CM), to be able to use this function. Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*, *Installation and Operation Manual, IMS3*, *TD 92762EN*, and *Installation and Operation Manual, Unite Connectivity Manager*, *TD 92735EN*.

6.6.1 Accept a PTT Invitation

A PTT invitation is viewed the same way as an ordinary message. The message can contain up to 255 characters.

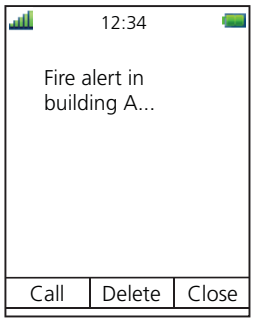

Figure 5. Incoming PTT invitation

1. Applicable to Talker and Messenger only.

1 Press ''Call''.

The VoWiFi Handset may accept the invitation automatically, start in mute mode, and start in loudspeaking mode, depending on the configuration of the received invitation.

When the invitation has been accepted, you can delete or close the invitation by clicking the soft key ''Delete'' or ''Close'', respectively. The call will not be disconnected when clicking these soft keys. The soft key ''Call'' is used for re-joining a group only, see 6.6.3 Re-join a PTT Group on page 38.

2 Press and hold to open the microphone for transmitting. The microphone is muted again when is released.

6.6.2 Decline a PTT Invitation

Press ''Close'' to decline the invitation. The VoWiFi Handset will return to the previously shown screen. See also 6.6.3 Re-join a PTT Group on page 38 for more information.

6.6.3 Re-join a PTT Group

If you received a PTT invitation but rejected it, you can dial the PTT group by selecting the message in the Message inbox, and then press the soft key ''Call''. See figure 5 on page 37.

6.6.4 Call a PTT Group

To call a PTT group, you must first connect a service or a short cut to a PTT group, see 9.5 Services on page 52 and 9.6 Short Cuts on page 52. Then you call the PTT group by selecting that service or short cut.

7 Alarm Operation

The alarm features are system dependent and applicable to Protector only. Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*.

7.1 Push-Button Alarm

Send Personal Alarm

Press the alarm push-button twice or more. Depending on set parameters, the text ''Personal alarm'' is displayed, a beep sounds, the red LED flashes once, and the vibrator stirs.

The text ''Personal alarm'' is possible to change in the Device Manager.

If configured in the Device Manager, an Acoustic Location Signal (ALS) is activated after the alarm has been sent, see 7.3 Acoustic Location Signal on page 40.

Send Test Alarm

Press and hold the alarm push-button. Depending on set parameters, the text ''Test alarm'' is displayed, a beep sounds, the red LED flashes once, and the vibrator stirs.

Note: Send a test alarm every day to test the VoWiFi Handset and system.

7.2 Man-down and No-movement Alarm

Note: Applicable to Protector only. The handset version must be WH1-AAAA/2A or above (see label under battery cover). These functions require a license.

The Man-down alarm will react if the VoWiFi Handset is tilted (default 45°) from the vertical for a predefined period of time (default 7 seconds). The No-movement alarm will react if no movement is detected during a predefined period of time (default 30 seconds).

The VoWiFi Handset alerts by beep, vibrator and LED signals, depending on the settings, during a predefined period of time (default 7 seconds). At the same time the VoWiFi Handset displays the message ''Man-down warning. Cancel?'' or ''No-movement warning. Cancel?''.

The VoWiFi Handset then sends the alarm, unless the alarm is cancelled. The VoWiFi Handset will confirm that the alarm has been sent by beep, vibrator and LED signals. In addition the VoWiFi Handset displays the message ''Man-down warning sent'' or ''No-movement warning sent''.

The VoWiFi Handset location is sent along with the alarm, see 7.5 Alarm with Additional Information on page 40.

If configured in the Device Manager, an Acoustic Location Signal (ALS) is activated after the alarm has been sent, see 7.3 Acoustic Location Signal on page 40.

The VoWiFi Handset may be programmed to automatically call a predefined telephone number after the alarm has been sent, see 7.4 Automatic Call after Alarm on page 40.

The Man-down and No-movement alarm functions are inactive under the following conditions:

- While the VoWiFi Handset is placed in a charger.
- During calls (depending on settings), to avoid false alarms if the user tilts the VoWiFi Handset or is motionless during a call.
- For a predefined period of time (default 10 minutes) if the Mute button is pressed during the alert signal.

Activate/Deactivate the Man-down and/or No-movement Alarm

Enter ''Settings'' , and step to ''Alarm''.

Then select the wanted alarm(s) and press Back repeatedly.

The corresponding icon(s) appear on the display.

Follow the same steps to deactivate the alarm(s).

Cancel Man-down and No-movement Alarm

Press the soft key ''OK'' to confirm ''Man-down warning. Cancel?'' or ''No-movement warning. Cancel?'' which appears in the display during the alert signal or press any key.

Delay Man-down and No-movement Alarm Temporarily

Press the Mute button during the alert signal and then press ''Yes'' to confirm the message ''Delay MD/NM detection?''.

The corresponding display icon will keep flashing until the alarm is active again (default 10 minutes).

Reset Alarm

To reset the alarm function after an alarm has been sent:

- Move the VoWiFi Handset to an upright position (after Man-down).
- Move the VoWiFi Handset (after No-movement).
- Press the Mute button if the Acoustic Location Signal is sounding.

7.3 Acoustic Location Signal

Depending on set parameters, the ramped up Acoustic Location Signal (ALS) is played after an alarm. The signal is always ramped from the lowest volume to the highest. Press to turn the ALS off.

7.4 Automatic Call after Alarm

A VoWiFi Handset can be set up to call a predefined number after an alarm has been sent, for example to ''112'' which is the common emergency call number inside the European Union.

Depending on the settings, the call can be established in the following modes;

- Loudspeaking mode, or
- Monitor mode, or
- Normal mode

Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN* for more information.

7.5 Alarm with Additional Information

Information about the VoWiFi Handset's approximate location is automatically sent along with an alarm, see Associated Access Point (AP) Location on page 40. It is also possible to add the location manually, see Alarm with Data on page 40.

Associated Access Point (AP) Location

This function is used together with an alarm. The AP communicates to the VoWiFi Handset where the VoWiFi Handset is located for the time being. This gives a fair indication of the location.

An approximate location of the VoWiFi Handset is added to alarms sent from the VoWiFi Handset. The VoWiFi Handset evaluates the field strength ratio of the individual APs (it uses the one it is associated with, and the second old AP is also sent) and sends the best-rated as a location of where the alarm was activated. However, location based on radio field strength measurements must be regarded as an indication only.

Alarm with Data

The data can be defined and stored manually by the user. To edit the alarm data, select the menu ''Settings'' > ''Alarm'' > ''Edit alarm data''. It is also possible to create a service with the function ''Edit alarm data'' and connect the service to a Soft/Hot key in the VoWiFi Handset as a shortcut for easy access. See 9.5.1 Add Services on page 52, and 9.6.1 Define Soft Keys on page 52 or 9.6.2 Define Hot Keys on page 53. The stored data is added to all types of alarms at transmission.

8 Location

The VoWiFi Handset is compatible with Cisco RTLS (Real Time Location System) and Ekahau RTLS, which gives a more accurate location than AP Location.

Cisco RTLS

APs measure the client signal strength for received data packets and forwards those measurements to the Cisco Mobility Services Engine. Your system administrator must configure the VoWiFi Handset for Cisco RTLS, refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*, for more information.

Ekahau RTLS

The VoWiFi Handset collects information about the APs and their measured radio field strength and forwards this information to the Ekahau Positioning Engine, which calculates the location of the VoWiFi Handset. Your system administrator must configure the VoWiFi Handset for Ekahau RTLS, refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*, for more information.

Note: This function requires a license.

9 Menu Operation

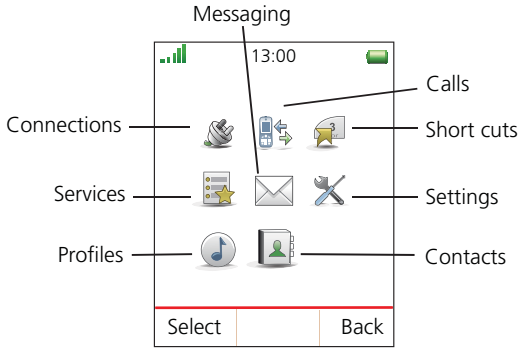

Figure 6. The Main menu.

9.1 Calls

9.1.1 Call List

The 25 last received, dialled or missed calls are stored in a call list. If a number occurs more than once, the last time stamp, together with the total number of occurrences, is shown.

Note: If supported by the system, the number's contact name can be displayed in the call list.

Dial a Number from the Call List

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Press ''Select''.

4 Select ''Call list''.

5 Step with ^ and v to select number in the list.

6 Press ''Call'' or to dial.

Note: A short press on replaces steps 1–4.

View the Time of a Call

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Press ''Select''.

4 Select ''Call list''.

5 Step with ^ and v to select number in the list.

6 Press ''More''.

7 Select ''Time of call''. The time and date is displayed.

Edit a Number from the Call List

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Press ''Select''.

4 Select ''Call list''.

5 Step with ^ and v to select number in the list.

6 Press ''More''.

7 Select ''Edit number''.

Save Number

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Press ''Select''.

4 Select ''Call list''.

5 Step with ^ and v to select number in the list.

6 Press ''More''.

7 Select ''Save number''.

8 Select ''Work number'', ''Mobile number'' or ''Other number''.

9 Add name and press ''OK''.

10 If desired, a specific ring signal can be chosen for this contact.

Send Message

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Press ''Select''.

4 Select ''Call list''.

5 Step with ^ and v to select number in the list.

6 Press ''More''.

7 Select ''Send message''.

Delete Entry from the Call List

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Press ''Select''.

4 Select ''Call list''.

5 Step with ^ and v to select number in the list.

6 Press ''More''.

7 Select entry to delete.

8 Select ''Delete''.

9 Select ''Yes'' to delete the entry from the list.

Delete all Entries from the Call List

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Press ''Select''.

4 Select ''Call list''.

5 Press ''More''.

6 Select ''Delete all''.

7 Select ''Yes'' to delete ALL entries from the Call list.

9.1.2 Missed Calls

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Press ''Select''.

4 Select ''Missed calls''.

5 Step with ^ and v to select number in the list.

6 Press ''Call'', or to call back.

As in Call list there is a Soft Key ''More'' which can be used to view the time/date of the call, edit the received number, add to contacts, delete received numbers. See 9.1.1 Call List on page 41 for information about the functionality in Soft Key ''More''.

Note: If supported by the system, the number's contact name can be displayed in the list.

9.1.3 Call Diversion

Note: This function is system-dependent. The parameters are set up in the Device Manager, refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*.

Divert All Calls

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Select ''Divert calls''[6]

4 Select ''All calls''.

5 Enter number (maximum 24 digits) to divert to.

6 Select ''Activ.'' The check box ''On'' is marked.

7 Press ''Back'' until the screen turns to idle mode.

The VoWiFi Handset sends a diversion reason code to the system when establishing a call. The call will automatically be disconnected after a few seconds.

8 To stop diversion select ''Deact.'' The check box ''Off'' is unmarked. Press the Soft Key ''Back'' until the screen turns to idle mode.

Divert Calls if No Reply

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Select ''Divert Calls''.

4 Select ''No reply''

5 Enter number (maximum 24 digits) to divert to.

6 Select ''Activ.'' The check box ''On'' is marked.

7 Press ''Back'' until the screen turns to idle mode.

The VoWiFi Handset sends a diversion reason code to the system by establishing a call. The call will automatically be disconnected after a few seconds.

8 To stop diversion select ''Deact.'' The check box ''Off'' is unmarked. Press the Soft Key ''Back'' until the screen turns to idle mode.

Divert Calls When Busy

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Calls'' in the menu.

3 Select ''Divert Calls''.

4 Press ''When busy''.

5 Enter number (maximum 24 digits) to divert to.

6 Select ''Activ.'' The check box ''On'' is marked.

7 Press ''Back'' until the screen turns to idle mode.

The VoWiFi Handset sends a diversion reason code to the system by establishing a call. The call will automatically be disconnected after a few seconds.

8 To stop diversion select ''Deact.'' The check box ''Off'' is unmarked. Press the Soft Key ''Back'' until the screen turns to idle mode.

9.2 Contacts

The VoWiFi Handset has a local phonebook with 250 entries, where names and numbers freely can be added, deleted, and edited by the user. The phonebook lists all names in alphabetical order (language dependent), where three numbers can be added for each contact; work number, mobile number, and other number.

A company phonebook can be downloaded via the Device Manager. The local and company phonebook appears in the same list, but the company contacts are indicated by a ''Locked

entry'' icon, which means that they are not editable. The contacts will only include work number.

It is also possible to access a central phonebook[1], see 6.2.7 Dial a Name from the Central Phonebook on page 33, or 9.2.5 Central Phonebook on page 46.

9.2.1 Call Contact

1 Enter the menu by pressing ''Menu''.
2 Select ''Contacts'' in the menu.
3 Select ''Call contact''.
4 Select contact from the list, or enter name or number in the search field.
5 Press ''Call''.

It is also possible to edit the contact and to send a message by selecting ''View'' > ''More''.

Note: It is not possible to edit a contact indicated by a ''Locked entry'' icon in front of the name.

9.2.2 Add Contact

Add New Contact

1 Enter the menu by pressing ''Menu''.
2 Select ''Contacts'' in the menu.
3 Select ''Add contact''.
4 Select ''New''.
5 Select ''Add''.
6 Enter a name, see 3.1.1 Alphanumeric Keys on page 16.
7 Press ''OK''.
8 Select ''Work Number'', ''Mobile number'', or ''Other number''.
9 Press ''Add''.
10 Enter number. It is possible to add a pause ''P'' in phone numbers by pressing the Space key 5 times.
11 Press ''OK''.
12 If desired, a specific ring signal can be chosen for this contact by selecting ''Ring signal''.

Add from Call List

1 Press ''Menu''.
2 Select ''Contacts'' in the menu.
3 Select ''Add contact''.
4 Select ''From call list''.
5 Select number in the list.
6 Press ''Add''.
7 Select ''Work Number'', ''Mobile number'', or ''Other number''.

1. This function is system dependent.

8 Press ''Add''.

9 Enter name, see 3.1.1 Alphanumeric Keys on page 16.

10 Press ''OK''.

11 Press ''Save''.

It is also possible to save a contact by opening the call list:

1 Press ''Menu'' and select ''Calls'' and ''Call list'' or just press the Call key .

2 Select ''More''.

3 Select ''Save number''.

4 Perform step 7) to 11) above.

9.2.3 Edit Contact

Note: It is not possible to edit a Company Phonebook contact. The contacts are indicated by a ''Locked entry'' icon in front of the name.

1 Press ''Menu''.

2 Select ''Contacts'' in the menu.

3 Select ''Edit contact''.

4 Select contact.

5 Press ''Edit''.

6 Select ''Name'', ''Work number'', ''Mobile number'', ''Other number'', or ''Ring signal''.

7 Press ''Edit''.

8 Enter new name/number, and/or select new ring signal.

9 Press ''OK''.

10 Press ''Save''.

9.2.4 Delete Contact

Note: It is not possible to delete a company phonebook contact. The contacts are indicated by a ''Locked entry'' icon in front of the name.

1 Press ''Menu''.

2 Select ''Contacts'' in the menu.

3 Select ''Delete contact''.

4 Select contact.

5 Press ''Delete''.

6 Press ''Yes'' to confirm.

9.2.5 Central Phonebook[1]

In the central phonebook it is possible to search by name or number. The last search result can be displayed.

When the search result is displayed, it is possible to view contact information, add the number to new contact, and to send a message by pressing ''More''. You can also call the number by pressing ''Call''.

1. This function is system dependent.

Search by Name

1 Press ''Menu''.
2 Select ''Contacts'' in the menu.
3 Select ''Central phonebook''.
4 Select ''Search by name''.
5 Enter First name and/or Last name.
6 Press ''Search''. The search result will be displayed.

Search by Number

1 Press ''Menu''.
2 Select ''Contacts'' in the menu.
3 Select ''Central phonebook''.
4 Select ''Search by number''.
5 Enter number.
6 Press ''Search''. The search result is displayed.

View Last Search Result

1 Press ''Menu''.
2 Select ''Contacts'' in the menu.
3 Select ''Central phonebook''.
4 Select ''Last result''. Only the last result will be displayed.

9.3 Profiles

It is possible to set up an own profile for incoming calls, message alerts, vibrating alerts, key sound etc. This can be useful when there are many users on the same VoWiFi Handset, and they want different sound profiles. It can also be used for temporarily settings, for example while in a meeting, incoming calls should be silent. It is easy to switch between the different profiles.

Add New Profile

1 Press ''Menu''.
2 Select ''Profiles'' in the menu.
3 Select ''Add new''.
4 Enter name of the profile
5 Press ''Save''.
6 Select profile from list and change profile as wanted.

Delete Profile

1 Enter ''Menu''.
2 Select ''Profiles'' in the menu.
3 Select profile from list.
4 Press ''More''.

5 Select ''Delete'' from menu.

6 Press ''Select''.

7 Press ''Yes'' to confirm.

Edit Profile

1 Enter ''Menu''.

2 Select ''Profiles'' in the menu.

3 Select profile from list.

4 Press ''More''.

5 Select ''Edit'' from menu.

6 Select what to edit, or ''Select''.

7 Make the changes.

8 Press ''Save'' to confirm.

9.4 Messaging

The following features are applicable to Messenger and Protector only, refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*.

When a text message is received, the LED starts flashing and the message alert signal sounds. The ''New message'' icon , and the content of the received message are automatically displayed. The icon will remain in the display until all new messages are opened. If the message is received during a call, a beep notifies the user.

It is possible to reply, forward the message, call the sender, and call number[1] included in a text. It is also possible to read the message later by pressing ''Close''. A received message is stored in the Inbox. See Read a Stored Message on page 48.

The thirty last received messages are stored in the inbox. Time and date information is included in the message.

9.4.1 Inbox

Read a Stored Message

1 Press ''Menu''.

2 Select ''Messaging'' in the menu.

3 Select ''Inbox'' to view the message list.

4 Select a message by using ^ and v on the Navigation key.

5 Press ''View''.

Reply to Sender

1 Press ''Menu''.

2 Select ''Messaging'' in the menu.

3 Select ''Inbox'' to view the message list.

4 Select a message by using ^ and v on the Navigation key.

1. The number must consist of minimum 3 digits.

5 Press ''View''.

6 Press ''Reply''.

7 Enter text. See 3.1.1 Alphanumeric Keys on page 16.

8 Press ''Send''.

Delete Message

1 Press ''Menu''.

2 Select ''Messaging'' in the menu.

3 Select ''Inbox'' to view the message list.

4 Select a message by using ^ and v on the Navigation key.

5 Press ''More''.

6 Select ''Delete''.

7 Press ''Yes'' to delete the message.

Forward Message

1 Press ''Menu''.

2 Select ''Messaging'' in the menu.

3 Select ''Inbox'' to view the message list.

4 Select a message by using ^ and v on the Navigation key.

5 Press ''More''.

6 Select ''Forward''.

7 Enter additional text if needed. See 3.1.1 Alphanumeric Keys on page 16.

8 Press ''Send''.

9 Enter number, or press → to access contacts in the local phonebook and the company phonebook.

10 Press ''Send'' to forward the message.

Call Sender

1 Press ''Menu''.

2 Select ''Messaging'' in the menu.

3 Select ''Inbox'' to view the message list.

4 Select a message by using ^ and v on the Navigation key.

5 Press ''View''.

6 Press ''More''.

7 Select ''Call Sender''.

Call Number in Text

1 Press ''Menu''.

2 Select ''Messaging'' in the menu.

3 Select ''Inbox'' to view the message list.

4 Select a message by using ^ and v on the Navigation key.

5 Press ''View''.

6 Press ''More''.

7 Select ''Call no. in text''[1].

8 Select number from the list.

9 Press ''Call''

Save Number

1 Press ''Menu''.

2 Select ''Messaging'' in the menu.

3 Select ''Inbox'' to view the message list.

4 Select a message by using ^ and v on the Navigation key.

5 Press ''View''.

6 Press ''More''.

7 Select ''Save number''.

8 Select ''Work Number''/''Mobile number''/''Other number''.

9 Press ''Add''.

10 Enter name. See 3.1.1 Alphanumeric Keys on page 16.

11 Press ''OK''.

12 Press ''Save''. The number will be saved in the contact list.

9.4.2 Write New Messages

1 Press ''Menu''.

2 Select ''Messaging'' to view the message list.

3 Select ''Write new message''.

4 Enter text. See 3.1.1 Alphanumeric Keys on page 16.

5 Press ''Send''.
It is possible to save the message and send it later by pressing the Soft Key ''Back'' and select ''Yes''. The message will be stored under Unsent messages. See 9.4.3 Unsent Messages.

6 Enter number, or press middle Soft Key to get number from contact list.

7 Press ''Send''.

9.4.3 Unsent Messages

1 Press ''Menu''.

2 Select ''Messaging'' to view the message list.

3 Select ''Unsent'' to view the list.

4 Select message to edit/send.

5 Select ''Edit'', edit text and/or just select ''Send''.

Delete/Delete All

1 Press ''Menu''.

2 Select ''Messaging'' to view the message list.

1. Visible if the number consists of minimum 3 digits.

3 Select ''Unsent''
4 Select message in the list.
1 Select ''More''.
2 Select ''Delete'' or ''Delete all''.
3 Select ''Yes'' if the unsent message(s) shall be deleted.

9.4.4 Sent Messages

1 Press ''Menu''.
2 Select ''Messaging'' to view the message list.
3 Select ''Sent'' to view the list.
4 Select message in the list.
5 Press ''View''.

Forward message

1 Press ''Menu''.
2 Select ''Messaging'' to view the message list.
3 Select ''Sent'' to view the list.
4 Select message in the list.
5 Press ''View''.
6 Enter additional text if needed.
7 Enter number.
8 Select ''Send''.

Delete Message

1 Press ''Menu''.
2 Select ''Messaging'' to view the message list.
3 Select ''Sent'' to view the list.
4 Select message in the list
5 Press ''View''.
6 Select ''Delete''.
7 Select ''Yes'' to delete the message.

Delete/Delete All

1 Press ''Menu''.
2 Select ''Messaging'' to view the message list.
3 Select ''Sent'' to view the list.
4 Select ''More''.
5 Select ''Delete'' or ''Delete all''.
6 Select ''Yes'' if the unsent message shall be deleted.

9.5 Services

The following features are applicable to Messenger and Protector only, refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*.

With this menu it is possible to customize your own menu with services/functions that are used often. A list of predefined services/functions are available: Phone call, Send data, Send message, PTT, and Edit alarm data.

9.5.1 Add Services

1 Press ''Menu''.
2 Select ''Services'' in the menu.
3 Select ''Add new''.
4 Enter a name for the menu alternative.
5 Press ''OK''.
6 Select a service/function.
7 Enter data for the service/function.
8 Press ''Save''.

9.5.2 Delete Services

1 Press ''Menu''.
2 Select ''Services'' in the menu.
3 Mark a service/function using ^ and v on the Navigation key.
4 Press ''More''.
5 Select ''Delete''.
6 Press ''Yes''.

9.6 Short Cuts

Predefined functions can be set as short cuts for the Soft Keys, Hot keys, Navigation keys, and the Multifunction[1] button. It is for example possible to define the Soft Key to make a call or as a short cut to send a message.

9.6.1 Define Soft Keys

1 Press ''Menu''.
2 Select ''Short cuts'' in the menu.
3 Select ''Soft Keys''.
4 Select ''Middle'' or ''Right''.
5 Press ''Select''.
6 Enter a name for the Soft Key. See 3.1.1 Alphanumeric Keys on page 16.
7 Press ''OK''.
8 Select ''Function'', and press ''Select''.
9 Select function from list, and press ''Back''.

1. Applicable to Talker and Messenger only.

10 Select ''Value'' (only for some of the functions), and press ''Select''. Enter a value, for example a number. Press ''OK''.

11 Select ''Control question'', and press ''Select''. It is off by default. Press ''Back''.

If the control question is enabled, a dialogue window ''Proceed?'' is displayed when pressing the defined Soft key. Press ''Yes'' to proceed.

12 Press ''Save''.

9.6.2 Define Hot Keys

1 Press ''Menu''.

2 Select ''Short cuts'' in the menu.

3 Select ''Hot keys''.

4 Select ''0'', ''2'' to ''9''.

5 Select ''Function'', and press ''Select''.

6 Select function from list, and press ''Back''.

7 Select ''Value'' (only for some of the functions), and press ''Select''. Enter a value, for example a number. Press ''OK''.

8 Select ''Control question'', and press ''Select''. It is off by default.

If the control question is enabled, a dialogue window ''Proceed?'' is displayed when pressing the defined Hot key. Press ''Yes'' to proceed.

9 Press ''Save''

9.6.3 Define Navigation Key

1 Press ''Menu''.

2 Select ''Short cuts'' in the menu.

3 Select ''Navigation keys''.

4 Select ''Up'', ''Down'', ''Left'', or ''Right''.

5 Select ''Function'', and press ''Select''.

6 Select function from list, and press ''Back''.

7 Select ''Value'' (only for some of the functions), and press ''Select''. Enter a value, for example a number. Press ''OK''.

8 Select ''Control question'', and press ''Select''. It is off by default.

If the control question is enabled, a dialogue window ''Proceed?'' is displayed when pressing the defined key. Press ''Yes'' to proceed.

9 Press ''Save''.

9.6.4 Define Multifunction Button

Note: Applicable to Talker and Messenger only.

The Multifunction button can be defined with two different functions, a long press activates one function, and a double press activates another function.

1 Press ''Menu''.

2 Select ''Short cuts'' in the menu.

3 Select ''Multifunction button''.

4 Select ''Long press'', or ''Multi press''.

5 Select ''Function''.

6 Press ''Select'' to select function.

7 Select function from list.

8 Press ''Select'' and then press ''Back''.

9 Select ''Value'' (only for some of the functions), and press ''Select''. Enter a value for example a number. Press ''Back''.

10 Select ''Control question'', and press ''Select''. It is off by default.
If the control question is enabled, a dialogue window ''Proceed?'' is displayed when pressing the defined button. Press ''Yes'' to proceed.

11 Press ''Save''.

9.7 Settings

9.7.1 Sound and Alert Settings

Adjust the Ringer Volume

1 Press ''Menu''.

2 Select ''Settings'' in the menu.

3 Select ''Sound & Alerts''.

4 Select ''Volume''.

5 Step with › to increase the volume and with ‹ to decrease it. Press ''OK'' to save the setting.

Note: It is also possible to adjust the ringer volume with the volume buttons in idle mode.

Set different Ring Signals for Internal Call, External Call and Call Back

1 Press ''Menu''.

2 Select ''Settings'' in the menu.

3 Select ''Sound & Alerts''.

4 Select ''Ring signals''.

5 Different signals for internal calls, external calls and call back can be set. Select ''Internal call'', ''External call'', or ''Callback''. The VoWiFi Handset has 14 different ring signals.

6 Select sound by ''Select''. By pressing ''Play'' it is possible to listen to the different sounds. Use ''Stop'' to stop listening.

7 Press ''Back''.

Set Alert for Messages

1 Press ''Menu''.

2 Select ''Settings'' in the menu.

3 Select ''Sound & Alerts''.

4 Select ''Message alert''.

5 Select between 8 different message alerts from list. By pressing ''Play'' it is possible to listen to the different alerts.

6 Press ''Back''.

Turn the Vibrator on/off

1 Press ''Menu''.
2 Select ''Settings'' in the menu.
3 Select ''Sound & Alerts''.
4 Select ''Vibrating alert''.
5 Select ''On'', ''On if silent'' (that is, the vibrator is on when the VoWiFi Handset is muted), or ''Off''
6 Press ''Back''.

Set the Key Sound

This means that every time a key is used, the VoWiFi Handset gives a small sound.

1 Press ''Menu''.
2 Select ''Settings'' in the menu.
3 Select ''Sound & Alerts''.
4 Select ''Key sound''.
5 Select ''Silent, ''Click'', or ''Tone''.
It is possible to listen to the key sound by pressing ''Play''.
6 Press ''Back''.

Set the Battery Warning Tone

If desired, a low battery can be indicated by a tone, a repeated sound or be set to silent.

1 Press ''Menu''.
2 Select ''Settings'' in the menu.
3 Select ''Sound & Alerts''.
4 Select ''Battery warning''. The default battery warning is ''Repeated sound''.
5 Select ''Repeated sound, ''Sound once'', or ''Sound off''.
6 Press ''Back''.

9.7.2 Phone Lock settings

Activate the Automatic Key Lock

Note: It is possible to answer/end an incoming call while the keypad is locked. If configured in the Device Manager, it is also possible to call an emergency call while the keypad is locked. Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*.

1 Press ''Menu''.
2 Select ''Settings'' in the menu.
3 Select ''Locks''.
4 Select ''Automatic key lock''.
5 Select ''On'' for activation of automatic key lock.

Deactivate the Automatic Key Lock

1 Press ''Menu''.
2 Select ''Settings'' in the menu.
3 Select ''Locks''.
4 Select ''Automatic key lock''.
5 Select ''Off'' for deactivation of automatic key lock.

Activate the Phone Lock

The VoWiFi Handset can be protected for unauthorized use. If this function is activated, a PIN code has to be entered at power on, or when the VoWiFi Handset is placed in a charger—this behaviour will first be activated when the VoWiFi Handset is placed in the charger. The default phone lock code (0000) can be changed to any 4–8 digit personalized code.

Note: If configured in the Device Manager, it is possible to call an emergency call while the VoWiFi Handset is locked.

1 Press ''Menu''.
2 Select ''Settings'' in the menu.
3 Select ''Locks''.
4 Select ''Phone lock''.
5 Select ''Auto phone lock''.
6 Select ''On'', or ''On in charger''.
7 Enter PIN code
8 Press ''OK''.

If the PIN code is forgotten, it can be reset by your distributor.

Deactivate the Phone Lock

1 Press ''Menu''.
2 Select ''Settings'' in the menu.
3 Select ''Locks''.
4 Select ''Auto phone lock''.
5 Select ''Off''.
6 Enter PIN code
7 Press ''OK''.

If the PIN code is forgotten it can be reset by your distributor.

Change PIN Code

1 Press ''Menu''.
2 Select ''Settings'' in the menu.
3 Select ''Locks''.
4 Select ''Phone lock''.
5 Select ''Change PIN code''.
6 Enter the old PIN code.

7 Press ''OK''.

8 Enter the new PIN code.

9 Change field by using ⌄ on the Navigation key and enter the new PIN code again.

10 Press ''Save''.

9.7.3 Display Settings

Brightness

1 Press ''Menu''.

2 Select ''Settings'' in the menu.

3 Select ''Display''.

4 Select ''Brightness''.

5 Select ''Normal'' or ''Power save''.

6 Press ''Back''.

Screen Saver

1 Press ''Menu''.

2 Select ''Settings'' in the menu.

3 Select ''Display''.

4 Select ''Screen saver''.

5 Select ''Information'', or ''Black''. Time and status information will be displayed when ''Information'' is selected, and the display will turn off when the VoWiFi Handset is not used.

6 Press ''Back''.

9.7.4 Time & Date Settings

Changes in the VoWiFi Handset appear after a maximum of 24 hours after a change in the system or by turning the VoWiFi Handset off and on again.

The ''Time & Date'' format is used in systems without system time and date.

Set Time Format

1 Press ''Menu''.

2 Select ''Settings'' in the menu.

3 Select ''Time & Date''.

4 Press ''Select''.

5 Select Time format. The actual time format will be displayed. Selectable time format:

- 12:00 (am/pm)
- 24:00

6 Press ''Select'' to save the setting.

Set Date Format

1 Press ''Menu''.

2 Select ''Settings'' in the menu.

3 Select ''Time & Date''.

4 Press ''Select''.

5 Select ''Date format'', press ''Select''. Selectable date format:

Date format	Example	Designation
DD MMM YY	10 Jan 09	
MMM DD YYYY	Jan 10 2009	
YYYY-MM-DD	2009-01-10	(ISO 8601)
MM/DD/YYYY	1/10/2009	(also called US)
DD/MM/YYYY	10/01/2009	(also called Europe)
DD-MM-YYYY	10-01-2009	
DD.MM.YYYY	10.01.2009	

6 Press ''Select'' to save the setting.

9.7.5 Answering

The default setting for the VoWiFi Handset is to use the Call key when answering a call. The answering behaviour can be configured to answer the call automatically, that is, without pressing a key, or/and in loudspeaking mode. It is also possible to set the answering behaviour to any key. If ''Any key'' is selected, any key except the End key, Sound off key, and Mute button can be used to answer a call.

Answering Key

The answering key is by default set to the Call-key (Hook-off).

1 Press ''Menu''.

2 Enter ''Settings'' in the menu.

3 Select ''Answering''.'

4 Select ''Answering key''.

5 Select ''Hook-off'' (Call-key), or ''Any key''.

6 Press ''Back'' to save the settings.

Answering Behaviour

1 Press ''Menu''.

2 Enter ''Settings'' in the menu.

3 Select ''Answering''.'

4 Select ''Answer behaviour''.

5 Select ''Automatically'', ''Loudspeaking'' or ''Quick answer''. At Automatically, all incoming calls are connected automatically. At Quick answer, the call is connected by lifting the VoWiFi Handset out of the charger.

6 Press ''Change'' to change the setting. The check box will be marked.

7 Press ''Back'' to save the setting. To remove the setting, press ''Change''. The check box will be unmarked.

9.7.6 Change Text size for Messages[1]

1 Press ''Menu''.
2 Enter ''Settings'' in the menu.
3 Select ''Messages''.
4 Select ''Text size''. The default text size is ''Normal''.
5 Select ''Normal'' or ''Large'' size.
6 Press ''Back''.

9.7.7 Change the Menu Language

Note: The language menu is easy to find by the *-icon in the ''*Language'' menu.

1 Press ''Menu''.
2 Enter ''Settings'' in the menu.
3 Select ''*Language''.
4 Select:
Czech (Čeština)
Danish (Dansk)
German (Deutsch)
Greek (Ελληνικά)
English (English)
Spanish (Español)
French (Français)
Italian (Italiano)
Hungarian (Magyar)
Dutch (Nederlands)
Norwegian (Norsk)
Polish (Polski)
Portuguese, Brazilian (Português (Br))
Russian (Русский)
Slovak (Slovenčina)
Finnish (Suomi)
Swedish (Svenska)
Turkish (Türkçe)
5 Press ''Back''.

9.7.8 Change Owner ID

The Owner ID is set to identify the VoWiFi Handset.

1 Press ''Menu''.
2 Enter ''Settings'' in the menu.
3 Select ''Owner ID''.
4 Enter name/identity. See 3.1.1 Alphanumeric Keys on page 16.
5 Press ''Save''.

9.7.9 Alarm Settings

Tip: It is recommended to configure a short cut to this menu if it is frequently used, see 9.6 Short Cuts on page 52.

1. Applicable to Messenger and Protector only.

Activate Man-down and No-movement Alarms

Note: Applicable to Protector only. The handset version must be WH1-AAAA/2A or above (see label under battery cover). This function requires a license.

To activate the Man-down and No-movement alarms:

1 From the Settings menu, select Alarm.

2 Select the wanted alarm(s) and press Back repeatedly.

The corresponding icon(s) appear on the display.

Follow the same steps to deactivate the alarm(s).

Edit Alarm Data

Information (for example a VoWiFi Handset's location) can be sent along with an alarm. It is recommended to create a shortcut for quick access to the ''Edit alarm data'' menu, see 9.6 Short Cuts on page 52.

1 Enter the menu by pressing ''Menu''.

2 Select in the menu.

3 Select ''Alarm''.

4 Select ''Edit alarm data''.

5 Enter alarm data.

6 Press ''Save''.

9.8 Connections

9.8.1 Headset

In order to achieve optimal audio quality with the different headset types, it is recommended to select the corresponding headset profile.

The default setting is microphone on a boom, that is, the audio is optimized for using a headset with microphone on a boom. The headset profile can be changed in the menu as follows:

1 Enter the menu by pressing the ''Menu'' soft key, or the confirmation button on the Navigation key.

2 Select ''Connections'' .

3 Select ''Headset'' with the soft-key Select or the confirmation button on the Navigation key.

4 Select the corresponding headset profile from list, that is, ''Mic on boom'', ''Mic on cable'', ''Hearing protection'' or ''Customized headset profile''[1]

5 Press ''Select'', or the confirmation button on the Navigation key.

If the preconfigured headset profiles do not match the headset in use, or the audio performance is bad, it is possible to configure an own headset profile. This is done in the Device Manager, refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*. If an own profile is configured in the Device Manager, it will be selectable in the VoWiFi Handset menu.

1. Available if the headset profile has been configured in the Device Manager.

9.8.2 Network

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Connections'' in the menu.

3 Select ''Network''.

4 Select network in the list. The VoWiFi Handset restarts if the network is changed.

9.8.3 In charger

Switch the Handset Off while Charging

The VoWiFi Handset can be switched off automatically when it is placed in the charger. When it is removed from the charger it will switch on again.

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Connections'' in the menu.

3 Select ''In charger''.

4 Select ''Switch off''.

Turn the Sound Off while Charging

The sound can be automatically turned off when the VoWiFi Handset is placed in the charger. When the VoWiFi Handset is removed from the charger the sound is turned on again.

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Connections'' in the menu.

3 Select ''In charger''.

4 Select ''Sound off''.

Change Profile while Charging

The VoWiFi Handset can change profile automatically when it is placed in the charger. The profile is changed back when the VoWiFi Handset is removed from the charger.

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Connections'' in the menu.

3 Select ''In charger''.

4 Select ''Change profile''.

5 Press ''Edit''.

6 Select a profile.

Deactivate the Charging Mode

1 Enter the menu by pressing the ''Menu'' soft key.

2 Select ''Connections'' in the menu.

3 Select ''In charger''.

4 Select ''No action''.

10 Advanced Functions

10.1 Device Information

In the Device Information menu it is possible to view information about the VoWiFi Handset, which can be useful when contacting the system administrator to get support:

- Software version
- Hardware version
- Licenses
- WLAN information
- Network information
- User ID

To enter the Device Information menu, press ''Menu'', select ''Settings'' in the menu, and then select ''Device info''.

For quick access to the Device Information menu in idle mode, press the keys *#DI# (that is *#34#) (DI as in Device Information).

10.2 Administration Menu

The VoWiFi Handset has a hidden menu for system administrators. Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*.

11 Advanced Messaging

The following features are applicable to Messenger and Protector only, refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*.

11.1 Voice Mail

Note: This feature is only available if configured in the system.

11.1.1 Receive a Voice Mail

When receiving a voice mail, this is indicated by the icon in the status bar.

11.1.2 One Key Voice Mail Access

A long press on digit key ''1'' in idle mode will call the voice mail. If the extension number is not available, a dialogue window ''Voice mail number not defined'' is displayed.

Some systems require that the mailbox extension number is downloaded to the VoWiFi Handset, refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*.

11.2 Receive a Message with Request for Answer

In the status bar, a message with request for answer is indicated the same way as an ordinary message, see 9.4 Messaging on page 48.

In the message list, the message with request for answer is indicated by the icon .

11.2.1 Accept/Reject the message

Press the soft key ''Accept'' or ''Reject''.

When an acknowledged message has been replied to, the icon is shown in the message list. The text ''Accepted'' or ''Rejected'', and time and date is also added in the acknowledged message.

Note: The option ''Delete'' is not available for a message with request for answer. An unacknowledged message can only be deleted from the message list.

11.3 Message Queuing and Message Priority

To notify about new incoming messages, all incoming messages are placed in a message queue. The sorting order for the message queue depends on the system settings. By default the messages are sorted according to message priority, and thereafter according to arrival time.

The messages in the message queue are automatically displayed for 20 seconds until all messages have been displayed. You can extend the time to display a message by pressing any button. You can also close a message to immediately see the next message in the message queue.

The messages that you do not close are put last in the message queue and remain in the message queue until you close them. They are shown as unread in the message list and will not be shown as read until you have closed them.

Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN* for information on how to configure the message queue.

11.4 Colored Messaging

It is possible to receive colored messages in the VoWiFi Handset. The application that sends the message determines the color. Colored messaging can be useful for categorizing messages. In the figure below, there are two colored messages (a new message, and a read message) in the Message inbox (left in the figure). The messages are indicated by a gradient color bar behind the envelopes. In addition, a gradient color bar is shown below the envelop when reading a colored message (right in the figure).

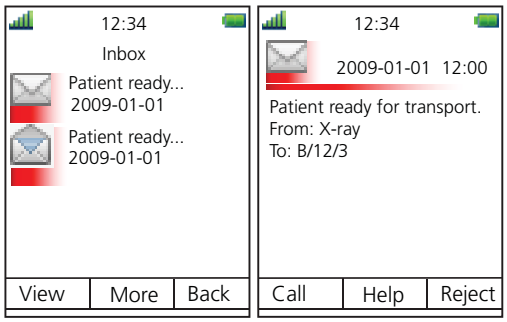

Figure 7. Example of a colored message.

11.5 Interactive Messaging

Interactive Messaging (IM) is a function that extends basic messaging. It makes it possible for a user of a VoWiFi Handset to access information from a client application in the system.

An example can be a customized application that can be accessed from the VoWiFi Handset. A list of actions can be included in the message sent from the application to the VoWiFi Handset.

An IM is indicated and viewed the same way as an ordinary message, see 9.4.1 Inbox on page 48. It is saved along with other messages in the message list.

When an IM has been read, the IM may display several options.

1 Mark an appropriate option

2 Press ''Select''.

3 If the selected option requests input, enter the information needed and press ''Ok''. A press on the middle Soft key will change to digit or text input mode depending on whether it is digit or text format in the message.

A read message is indicated the same way as an ordinary message.

Note: If a VoWiFi Handset receives an IM update when the original message already has been deleted, the VoWiFi Handset automatically sends a negative acknowledge (NAK) to the system, if requested.

A very simple interactive message can look like the one in figure 8. The options depends on the configuration in the client application.

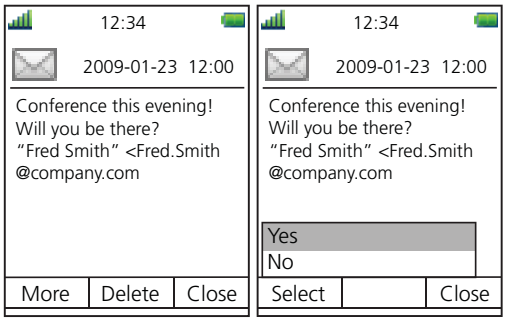

Figure 8. Example of an interactive message

Mobile data from the VoWiFi Handset can initiate the application to send the interactive message, see 11.6 Mobile Data on page 64. The user can then select one action from the list. The action can be sending a message back to the application and/or dialling a specific number etc.

11.6 Mobile Data

11.6.1 Send Mobile Data

It is possible to send user-entered data from the VoWiFi Handset by selecting a service. Mobile data can be used for opening a door, starting/stopping a machine etc. The data can either be predefined, or entered after the service is selected.

The data can be predefined when programming the service, see 9.5.1 Add Services on page 52.

11.6.2 Send Mobile Data with a Prefix

Mobile data with a prefix is sent from the VoWiFi Handset by entering data and then selecting a service. Mobile data with prefix can be used to send information to an application in the system.

The prefix is predefined by the user when programming the service, see 9.5.1 Add Services on page 52.

12 Operation Notice

12.1 Accessibility and Voice Quality

The base network is not always available. If you do not get in contact with your system, contact your system administrator. For best voice quality, avoid positioning near computer, radio or similar equipment.

Operating Area

You can only use the VoWiFi Handset in the area that is covered by your system. Outside this area you will loose contact with the system. The signal strength icon will be low and the text ''No network'' will be displayed.

Out of Range

When you leave the system's coverage area, a short beep will sound and the text ''No network'' will appear in the display.

The out of range beep will be repeated every minute for 30 minutes. It is possible to turn the sound off by long pressing , or the Volume button (down).

When re-entering the coverage area it can take a couple of minutes before the VoWiFi Handset automatically has registered into the system.

13 System Handling

13.1 Software Upgrade

Software and parameters in the VoWiFi Handset can be upgraded using the following tools:

- The DP1 Desktop Programmer connected to the PDM, see *Installation and Operation Manual, Portable Device Manager (PDM), TD 92325EN*.
- The Device Manager in IMS3 or Unite CM, see *Installation and Operation Manual, IMS3, TD 92762EN*, or *Installation and Operation Manual, Unite Connectivity Manager, TD 92735EN*.
- A TFTP server over the air, see *Installation and Operation Manual, IMS3, TD 92762EN*, or *Installation and Operation Manual, Unite Connectivity Manager, TD 92735EN*.

Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*.

To view the VoWiFi Handset's software version, enter *#34# in idle mode. See also 10.1 Device Information on page 62.

14 Maintenance

14.1 Maintenance of Batteries

14.1.1 Battery Warnings

The "Low battery" icon is displayed when the battery has 10% or lower of its capacity left. In addition; a warning signal sounds every minute, the LED flashing orange, and the dialogue window "Battery low! Charge now!" appears.

The "Empty battery" icon is flashing when the battery has 5% or lower of its capacity left. In addition; a warning signal sounds every second, the LED flashing red, and the dialogue window "Battery empty! Shutting down!" appears.

The "Half battery" icon is displayed when the battery has 50% of its capacity left.

The "Full battery" icon is displayed when the battery is fully charged and has 100% of its capacity.

During a call, only the corresponding battery warning signal will notify the user. The battery warning signal cannot be silenced during a call. When not in call, the battery warning signal can be silenced by pressing or .

14.1.2 Charge the Battery

Place the VoWiFi Handset in the desktop charger or in the rack charger. The battery is being charged when the LED on the VoWiFi Handset is steady orange. When the battery is fully charged the LED will be green.

An animated battery icon is also shown in the display indicating charging by starting with its current charge and ending with the full charge. A filled battery icon indicates a fully charged battery.

Note: Only use the prescribed chargers for charging.

14.1.3 Charge Spare Batteries

Spare batteries can be charged with a separate battery pack charger. It can charge six batteries at the same time.

14.1.4 Replace the Battery

If the standby time for the VoWiFi Handset becomes too low, the battery should be replaced by a new one. Please contact your system administrator or your supplier, for information about new batteries. Attach the battery as described in the illustration below. The battery is easy to replace. It is attached inside the battery lid and is connected to the VoWiFi Handset in such a way that no miss-contact is possible.

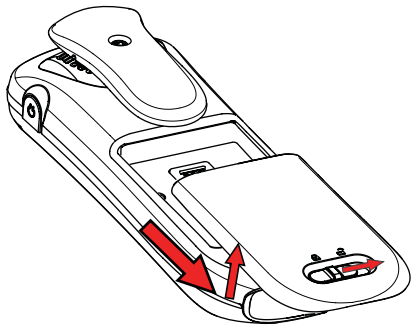

Figure 9. Easy replaceable battery, unlock the lid and remove the battery.

14.2 Attach the Hinge-type Clip

Attach the hinge-type belt clip as described in the illustration below.

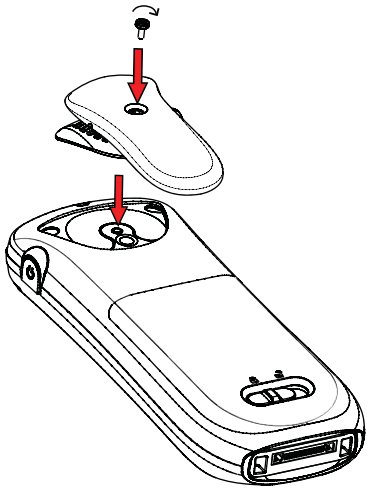

Figure 10. Screw the hinge-type clip into position.

14.3 Attach the Swivel-type Clip

Attach the swivel-type belt clip as described in the illustration below.

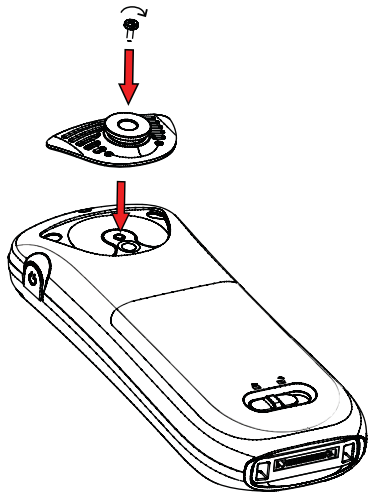

Figure 11. Screw the swivel-type clip into position.

14.4 Attach Cover for No Clip

Attach the enclosed cover as described in the illustration below when no clip is to be used.

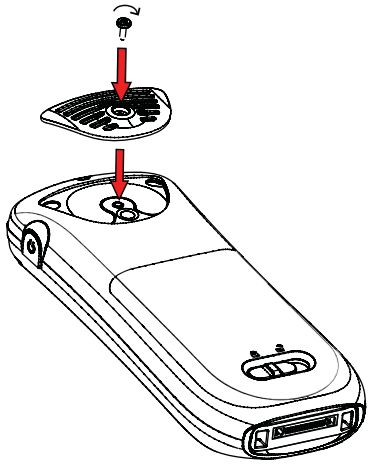

Figure 12. Screw the cover into position.

14.5 Replacement of Handsets

A VoWiFi Handset can be replaced with a new one if it is broken. Refer to *Configuration Manual, Ascom i62 VoWiFi Handset, TD 92675EN*.

15 Troubleshooting

This section contains information on how to solve common operational problems and warnings.

Go through the following lists if you encounter any problems. If this checklist does not solve the problem, contact your system administrator.

If others have similar problems, there may be a system error.

Operational Problems

Fault	Probable cause	Action or comment
No display	The battery level is low or the VoWiFi Handset is defective.	Charge the battery or contact system administrator.
No ringing	The sound off icon is on, or the ringer volume is set to silent, or the VoWiFi Handset is defective.	Long press the Sound off key or Mute button, or increase the volume, or contact system administrator.
No change in time & date setting	PBX dependent.	Changes in the VoWiFi Handset appear after a maximum of 24 hours after a change in the system or by turning the VoWiFi Handset off and on again.

Error or Warning Messages

Refer to the *Configuration Manual, Ascom i62 VoWiFi Handset*, *TD 92675EN*.

16 Related Documents

Data Sheet, Ascom i62 VoWiFi Handset	TD 92587EN
Quick Reference Guide, Ascom i62 VoWiFi Handset	TD 92597EN
Configuration Manual, Ascom i62 VoWiFi Handset	TD 92675EN
Data Sheet, Portable Device Manager (PDM)	TD 92324EN
Installation and Operation Manual, Portable Device Manager (PDM)	TD 92325EN
Data Sheet, Integrated Wireless Messaging & Services – IMS3	TD 92779EN
Installation and Operation Manual, IMS3	TD 92762EN
Data Sheet, Unite Connectivity Manager	TD 92739EN
Installation and Operation Manual, Unite Connectivity Manager	TD 92735EN
Data Sheet, DC3, Basic Desktop Charger for d62, d41 and i62	TD 92626GB
Installation and Operation Manual, CR3 Charging Rack	TD 92480EN
Installation Guide, CR4 Battery Pack Charger	TD 92724EN
Data Sheet, DP1 Desktop Programmer	TD 92749EN

17 Document History

For details in the latest version, see change bars in the document.

Version	Date	Description
A	19 November 2010	First version
B	1 September 2011	• Added description of Man-down and No-movement alarms. • Added section Chemical Resistance to chapter Safety Instructions. • Replaced IMS2 with IMS3. • Replaced references to WinPDM, IMS3, and UniteCM with references to the Device Manager. • Replaced WinPDM with PDM. • Corrected info on DC3 power supply unit. • Replaced Elise2 with Elise3 in graphics. • Edited section Related Documents. • Minor text and layout changes.

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